

ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

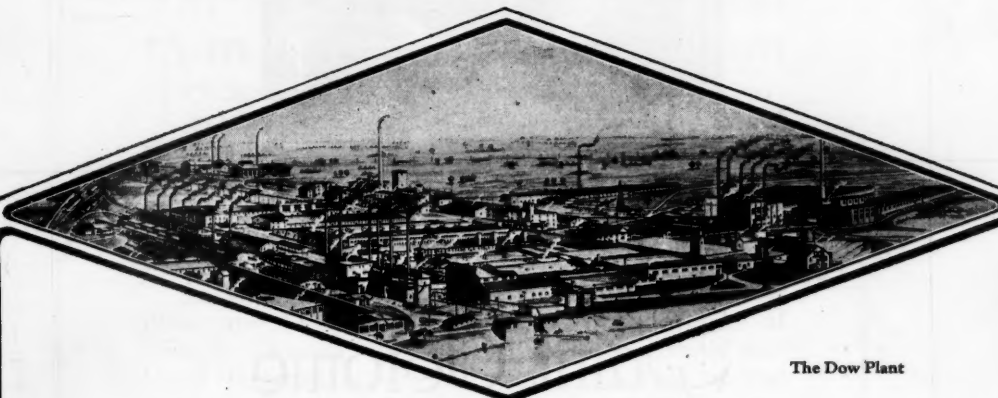
Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIII,

NEW YORK, SEPTEMBER 19, 1923

No. 12



The Dow Plant

## Dow Products and Their Mark of Quality

### Some of the Dow Products

ACETIC ANHYDRIDE  
BROMIDES  
CALCIUM CHLORIDE  
CARBON BISULPHIDE  
CARBON TETRACHLORIDE  
CAUSTIC SODA  
CHLOROFORM  
EPSOM SALT  
ETHYL BROMIDE  
ETHYL CHLORIDE  
FERRIC CHLORIDE  
MAGNESIUM CHLORIDE  
MAGNESIUM METAL  
SALICYLATES  
SODIUM SULPHIDE

Many other products,  
including Heavy Chemicals,  
Pharmaceuticals, Dyes and  
Intermediates.

In its relations with the trade The Dow Chemical Company has always sought the merited confidence of the buyer. For many years the Dow Trade Mark has been a guarantee of unsurpassed purity. As time went on this trade mark accumulated other meanings beyond the purity or value of the product itself. It represents a business policy, a shipping efficiency and a spirit of accommodation that makes for pleasant business relations and a dependable source of supply. Let us quote on Dow Products for your requirements.

**DOW**

THE DOW CHEMICAL COMPANY Midland, Mich., U.S.A.

Branch Sales Offices—90 West Street, NEW YORK CITY

**In This Issue** { 30 Years in the Benzol Market  
German Pharmaceutical Output



Research—"Exhausting  
thought and living wisdom  
with each studious year"

—BYRON

## Saint Jerome

by Francesco Franganzano  
(1619-1657)

This is the fifth of a series of advertisements featuring well known paintings, hanging either in the home of John F. Queeny, Chairman of the Board of Monsanto Chemical Works, or in the general offices of the company in St. Louis

SAINT JEROME is the chief representative of that period of the history between antiquity and the middle ages. His exhausting thought and diligent investigations exerted a powerful influence upon Christianity which during his life-time was issuing from an embryonic stage. By his exhaustive investigations of the Hebrew and Greek languages and literature, he gave to the world its first Latin version of the old and new testaments—the Bible—a work which has had an unmeasurable good influence upon the civilization we inherit.

Today in modern laboratories American chemists are emulating the investigations of Saint Jerome. Their "exhausting thought" is giving to the modern world new medicines, new dyes, new comforts and new methods to make them better and cheaper, which are steadily improving our mode of living and the civilization we shall transmit to posterity.

# MONSANTO



# MATHIESON Chemicals

## *The Mathieson Plan of Less-than-carload Distribution*

TO the small user of chemicals and to the carload consumer requiring emergency supplies, the Mathieson plan of less-than-carload distribution means price protection in times of local shortage, fresh materials of highest quality, prompt deliveries, and a direct relationship with the manufacturer.

In operation, the essential features of our plan are: (1) Our own warehouse stocks of "Eagle Thistle" products in the hands of our local distributors in all principal cities of the United States; (2) open price schedules arranged by us in the form of a mailing-card; (3) deliveries ex-warehouse by our distributors; (4) direct billing on our own forms; (5) direct collections.

You "Deal Direct with the Manufacturer" when you specify "Eagle Thistle" products, regardless of quantity or point of shipment. Let us prove to you the advantages of the Mathieson plan.

*The* **MATHIESON ALKALI WORKS Inc.**  
25 WEST 43<sup>RD</sup> STREET NEW YORK CITY

PHILADELPHIA  
PROVIDENCE

CHICAGO  
CHARLOTTE



**Deal Direct with the Manufacturer**

*Bicarbonate of Soda*  
*Liquid Chlorine-Caustic Soda*

*Sesquicarbonate of Soda*  
*Bleaching Powder-Soda Ash*

# BETA-NAPHTHOL

Dyestuffs and Intermediates

manufactured by

**CONSOLIDATED COLOR &  
CHEMICAL CO.**

**CENTRAL DYESTUFF &  
CHEMICAL CO.**

**WILLIAMSBURG CHEMICAL  
CO.**

and other American manufacturers

distributed by

**H.A. METZ & CO. Inc.**  
One Twenty Two Hudson Street New York City.  
Boston Philadelphia Providence Chicago Charlotte San Francisco

ISSUED EVERY WEDNESDAY

## DRUG & CHEMICAL MARKETS

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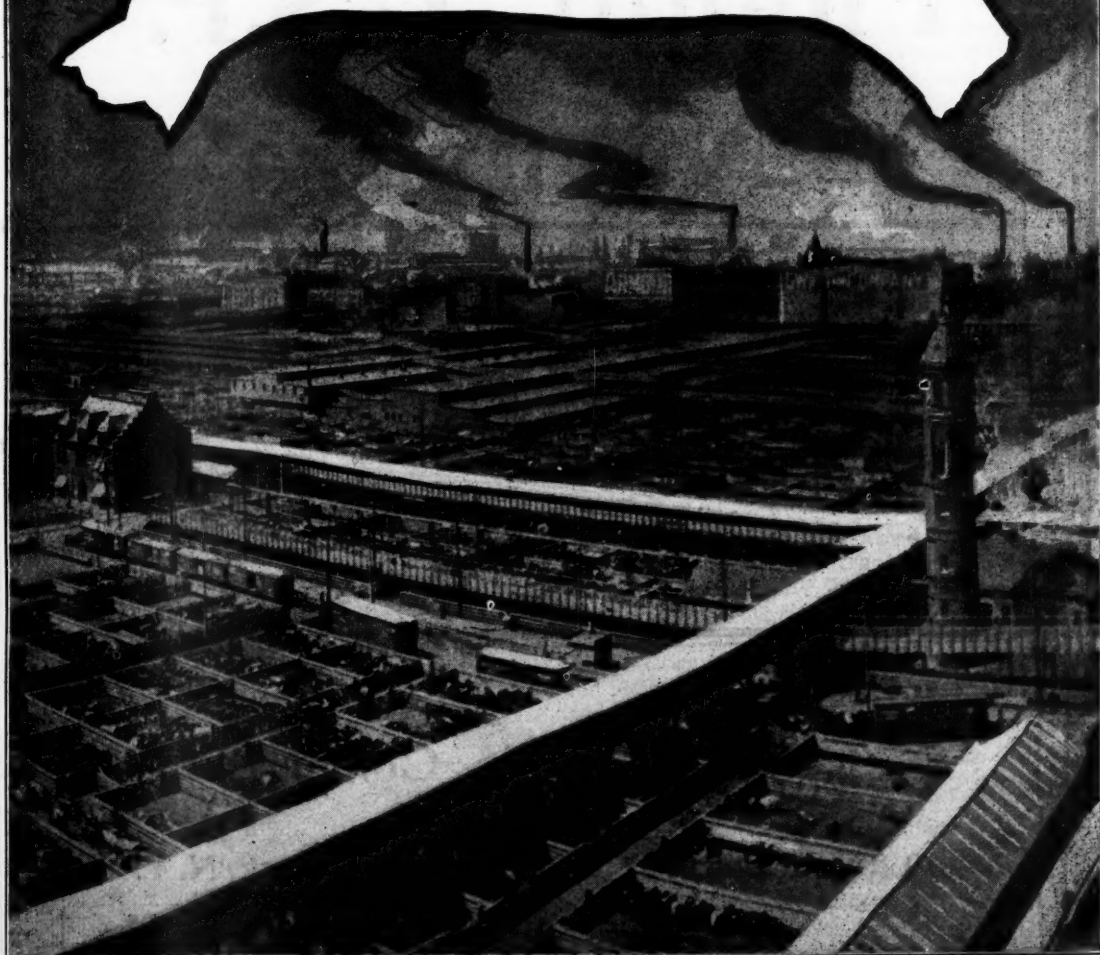


*Tanning the Hides*  
*of a Nation with* **R & H**  
**CHEMICALS**

From rawhide to smoothly pliable leather! From the wide cattle ranges of the West to the intelligently ordered processes of the tanneries! A vital industry whose products are woven into the fabric of everyday existence—and an industry which acknowledges its debt to efficient chemicals.

R. & H. Chemicals are widely and favorably known in the leather industry. Their manufacture is supervised by men intimately acquainted with tannery requirements. Their satisfactory qualities are reinforced by a service that fulfills the highest ideals of cooperation.

**THE ROESSLER & HASSLACHER CHEMICAL COMPANY**  
709 Sixth Avenue, New York





# Phenol, U.S.P. Natural

The *Barrett* Company

40 Rector Street



New York, N. Y.

ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 12

[SEPTEMBER 19, 1923]

## THE TAX PROBLEM

Discussion of the tax situation shows lack of thoughtful consideration of the subject, especially by extremists who advocate the passage of a constitutional amendment prohibiting the issuance of tax-exempt securities. It would require an act of Congress to do this and the approval of 36 out of the 48 states. This would mean long delay, and it has the unfavorable feature that it would hamper states and municipalities in their efforts to raise funds at critical periods. Tax-exempt securities already issued would not be affected, and the millionaires and corporations holding these bonds would still escape the Federal net.

The proposal to reduce the present income surtax rates, even to the extent of cutting them in half, offering the tax dodger a chance to invest his surplus in industrial enterprises, or to expand his business, with the chance of making larger returns than he can get in tax-exempt bonds, is sane, and the probability is that the Government would benefit by the change of policy. So much capital would be turned into productive channels that the tax revenues would not fall far below the present total, and the country would be the gainer in new business undertakings, as well as in reduction of taxes.

Tempted by the demand for tax-exempt securities some states and cities are increasing their expenditures for improvements to such an extent that local taxes are becoming a serious burden. The cost of running city governments has jumped alarmingly in recent years and unless some check is put upon the upward trend, rents will continue to go up in spite of laws enacted by state legislatures in the effort to control them. The tax problem is complex and not easily solved in these days of extravagant expenditures for state and municipal luxuries.

## TELLING THE STORY OF CHEMISTRY

The gifts to the American Chemical Society by Allied Chemical and Dye Corp., and by Francis P. Garvan and wife to stimulate interest in chemistry and to reward chemists who make contributions of outstanding merit to the science, deserve widespread attention by educators who can do much to arouse public interest in the relation of chemistry to the economics of daily life. The war proved the importance of chemistry in national defense, but its application in the industries, the part it plays in the development of medicine, its value in agri-

culture, and its use in safeguarding the water we drink and the food we eat deserve more thorough study.

The trusteeship of these funds rests in capable hands, and the awards will reach the most deserving aspirants, but there is another side to the question deserving special consideration. In a nutshell the other phase of the subject is expressed in the word "Publicity." The chemical industry has not told the story of chemistry as applied to every day life in a way to interest the public. We can recall only one or two books on chemistry which have been written in a style to make the subject understandable by the average layman. Again, the news of the industry as developed day to day is not presented to the daily papers in a way to interest the general reader. It is either written from a technical point of view by a chemist or is sent exclusively to technical and trade papers and read only by those interested in the scientific and practical use of the facts disclosed.

When the dye manufacturers began their campaign for higher duties on foreign dyes to allow the domestic industry time to become established, they sent representatives to Washington and overlooked the necessity for educating the public to an understanding of the situation. The conditions in the industry, especially the unfair competitive methods of the German Dye Cartel, offered wonderful possibilities in the way of general publicity of a most convincing nature and calculated to influence public opinion favorably for the dye makers, but the campaign in Washington was conducted more or less secretly until certain Senators began a vigorous attack upon the "lobbyists" as the agents of the manufacturers were called, and charges of a "monopoly" were the natural result.

While the purpose of the present movement to educate the country in the vital importance of chemistry to the daily life of the people has no ulterior motive, the object to be accomplished calls for a publicity campaign well thought out and managed by men who understand how to present the subject in a way that will prove interesting and be convincing to the reading public.

The award of the American Chemical Society's prize of \$25,000 to be given annually to the chemist who makes the contribution of greatest merit, will be in the hands of men well fitted to decide the contest, the committee comprising Edgar F. Smith, provost emeritus of the University of Pennsylvania; Prof. C. F. Chandler, Columbia University; Dr. Ira Remsen, president emeritus of Johns Hopkins University; Dr. F. P. Venable of the

University of North Carolina, and Dr. T. W. Richards of Harvard University. Mr. Garvan has left the distribution of prizes provided for students under the absolute control of the American Chemical Society, and the opportunity is here open for spreading the story of chemistry among the people in a way never before done in this country.

#### HAS FORMALDEHYDE NO FRIENDS?

A British referee in a hearing under the Safe-guarding of Industries Act has decided that Formaldehyde is not an analytical reagent, a synthetic organic chemical, or a fine chemical. The chemists who testified in the case were unanimously opposed to admitting it to the fine chemical group, in spite of the fact that chemical manufacturers, merchants and the trade in general classify it as such. England having ostracised formaldehyde by this decision, what should be the attitude toward it in the United States? It is to be hoped that Dr. Herty will use his authority as president of the Synthetic Organic Chemical Manufacturers Association and give the poor, lonely, castaway a home. Yet, kind-hearted as we know him to be, he cannot consider it in the light of a "synthetic chemical" in the strict meaning of the term. This derivative of wood alcohol is declared by the U. S. Tariff Commission to be a gas at ordinary temperatures, and is defined by the Chemical Dictionary as a clear, colorless liquid when in aqueous solution.

Now "synthetic" means the bringing together of elements to form a more complicated body. But according to the Volstead Act, the laboratory process of passing the vapors of methyl alcohol through a heated copper tube, and subsequent absorption in water, by which method formaldehyde becomes formalin, used as an antiseptic, disinfectant, and preservative, does not produce a synthetic chemical. We call upon Dr. Leo Hendrik Baekeland to come to Formaldehyde's rescue before it is too late. In years past Dr. Baekeland was a good friend of Formaldehyde and he should not desert it now. It was on account of this friendship and intimate acquaintance with its uses in products like synthetic resins, etc., that the Nichols medal, the Chandler medal, the Gibbs medal were pinned upon his breast. Formaldehyde is in the position "when a feller needs a friend."

Deserted by the insurance companies because it has no fire hazard, abandoned by the railroads which refuse to make shipping regulations for its transportation, Formaldehyde stands alone, unclassified. Will not some one in the dye trade, some manufacturer of resins, either phenol or cresol, some rubber goods maker, or manufacturer of inks; some leather tanner, some constructor of anatomical specimens who makes use of this poor old aldehyde take its part?

Roy Haynes for Governor! Just when the chemical and drug industries of the country get the Prohibition Commissioner lined up on the alcohol question where he can appreciate the viewpoint and the needs of these industries, somebody "dumps the cart" by suggesting the Commissioner

for Governor of Ohio or Indiana or some other state. Rumors about Washington imply that the Commissioner has had the skids placed under him, and that the gubernatorial nomination is merely a smoke screen to cover his exit from the Prohibition Unit. If Haynes goes, will it take two years to convince the next Commissioner that the chemical industry is entitled to alcohol for industrial uses?

One of the big alkali producers has selected the week of the Chemical Exposition to announce prices which will rule for next year. This is the first step in a movement to make the Chemical Exposition the time and place for the announcement of new prices, new products, new sales policies,—in short, the chemical industry market place. The producer in question has selected Exposition week just to show that a plan of this type can be worked out in conjunction with the Chemical Show. If all manufacturers joined in a movement of this character, the Exposition would soon assume a marketing and sales character which it should have.

#### Many Men: Many Minds

Judging by Henry Ford's public utterances, he would rather be trite than President.—N. Y. Tribune.

Judge E. H. Gary, chairman, U. S. Steel Corp., says: "No one is justified in concluding that there is anything in sight to indicate a serious depression in the near future."

Francis H. Sisson, vice-president Guaranty Trust Co., New York, who returned from a European trip recently, says that the situation in Germany is desperate and is forcing Europe toward a settlement of the reparations problem, but he could not learn of any definite plan for agreement.

G. A. O'Reilly, vice president, Irving Bank-Columbia Trust Co., New York, commenting on the gift made by Mr. and Mrs. Francis P. Garvan for a national essay contest on chemical topics, says: "We need education on the chemical industry. We know almost nothing of the intimate relation of chemistry to the active economic life of this country."

David F. Houston, Secretary of the Treasury under Wilson, who spent two months abroad, this summer, says he found condition of the European countries prosperous, which was especially true of France. Agricultural work in that country is progressing, he added, and he noticed no unemployment there. Belgium was suffering from industrial depression, but the agricultural conditions were good.

#### FINED FOR WASTING COTTONSEED

Twenty dollars per day after the fifth day was the fine meted out to cotton gins which permitted seed to accumulate outside their plants. This law was passed in Mississippi in 1857 to solve the problem of the cottonseed nuisance. In 1920, this same seed furnished over four million barrels of refined cotton oil. The development of the industry will be covered briefly in next week's DRUG & CHEMICAL MARKETS by a foremost authority—Dr. David Weston on "Development of Cotton Oil Production."



# Thirty Years in the Benzol Market

*From 1904 to 1920 American Benzol Production Rose from 285,000 Gallons to 70,000,000 Gallons—Prices Fluctuated Between 12c. and 96c.*

By D. W. JAYNE, President, Jayne & Sidebottom

**B**ENZOL was first used in the production of aniline oil, but various grades were prepared for use as solvents and found application in the rubber and varnish industries. For such solvent purposes, benzol was considered as comprising also its homologues, toluol and xylol. In fact, the commercial grades of benzol used as solvents were merely the lighter distillates of coal-tar separated into several arbitrary fractions according to the temperature of distillation. For instance, the lightest portion was cut from the distillate so that 90% would distill under 100° C., and was, therefore called 90% benzol. Another fraction began to distill about 130°C and was 90% off at 160°C. This was called 160° benzol. These two grades became the accepted commercial articles for solvent purposes and were particularly used in quantity by the manufacturers of rubberized fabrics, such as "mackintoshes." The production was entirely from the light oil distilled from coal-tar.

The early demands for benzol in this country were met by importation from England, thereby establishing here the same two principal grades for solvent purposes, together with a C. P. benzol for particular work in the production in a small way of a few intermediates, principally nitrobenzol. When tar from coal gas plants was distilled in the United States, a small amount of the light oil was used for the preparation of very small quantities of benzol. This was the first procedure for the commercial production of benzol in the United States and was during the late 80's. A few other raw materials were found which were rich enough in benzol to be used as a source for it. Notable among these was the "Hydrocarbon" which is condensed from compressed Pintsch gas. For at least a decade preceding 1908, this material represented the principal source of the American produced benzol. The principal source of solvent naphtha was the oil condensed in the gas holders and distributing mains.

It must be remembered that the uses for benzol up to about 1910 were comparatively small. There was practically none used in the chemical industry, for instance, for the manufacture of intermediates, and its use in the manufacture of rubber tires came with the automobile. Probably the first use which required a notably large portion of the production was in the benzol-alcohol varnish removers. That was about 1900. The next development was the use in the cement used in the sanitary cans. These are food product cans on which the top is sealed by a layer of rubber cement to make them air-tight. The American production was insufficient at times to take care of the increased consumption due to this use. Following this outlet, the use in artificial leather became a factor which has developed together with the use in the manufacture of rubber tires, as the

## BENZENE AND BENZOL

*Although benzene is the correct name for the product  $C_6H_6$ , the product of benzene-ring fame, many of the old-timers in the trade still insist upon using the term "benzol." The latter is of German origin. The word "benzene" is official in the nomenclature of latest works of authority and of the American Chemical Society. It should not be confused with benzine which was once the common lay designation for a petroleum distillate approximating a light gasoline.*

automobiles have consumed ever increasing amounts of such materials for upholstery.

The relation of production to consumption between 1900 and 1914 was a veritable see-saw. Demand would exceed supply for six months; then, due to increased production and the filling of the gap, in some cases by importation, supplies would be in excess for a time. This was particularly true when light oil, stripped from coke oven gas, was first recovered. For a while supplies increased faster than demand so that by the end of 1911 a considerable surplus was

on hand. This caused the first export in bulk to be arranged early in 1912, but the see-saw had reversed again and following the removal of this excess, a shortage again became imminent and this condition continued practically unaltered until 1914.

During the time that a surplus seemed inevitable (1911), a number of private trials were made with benzol as a motor fuel. Other and earlier trials of some grade of benzol had been made, but the continued use of benzol began at that time in at least two cities which lasted until the war made benzol too high priced a commodity for fuel. This use of benzol for motor fuel was with the 90% grade and in most cases was used straight, not mixed with gasoline, and thoroughly demonstrated the practicability and the advantages of benzol for that purpose.

In 1914, when war broke out in Europe, the entire plan of operation of the benzol refiners had to be changed. In the first place, the demand for toluol caused every producer to recover the last drop possible of that valuable product. Secondly, the demand for the pure benzol for the manufacture of synthetic phenol, aniline oil and other intermediates made it desirable to split up the old 90% grade into its principal constituents, benzene and toluene.

In 1914, the principal source of benzol was the light oil recovered from coke oven gas, but only one company (at several plants) was carrying on this operation; the others were burning the gas without stripping it. The demand, however, soon caused a general installation of benzol recovery and refining plants at the ovens, so that by 1918 every by-product coke plant in the country was recovering these valuable products.

The end of war saw another complete change in conditions. While a considerable use had been developed for the manufacture of intermediates, which did not exist before the war, the more general uses suffered probably a slight drop because of the many cases where substitutes were adopted of necessity during the war and in some cases were adhered to afterward. However, the situation which developed, with supplies about four times demand for all previous commercial purposes, had not been unforeseen, and plans previously developed

were immediately acted on to begin the distribution of benzol as an ingredient of motor fuel. This use of benzol as a constituent (about 40%) of benzol-blend motor fuels has been completely successful and now instead of a "dumping" outlet is such a ready outlet and also relatively profitable, that it threatens to curtail the necessary supplies of pure benzol for intermediates and of 90% benzol for solvent purposes.

The old arbitrary grade designated 90%, years ago in England is still today the standard for use as a solvent. The old 160° benzol still exists but under the newer name of solvent naphtha, but still these two grades predominate—omitting consideration of motor fuel which is usually the entire light oil fraction up to 170°C.

The growth in quantity of production from 1904 is shown below. Statistics for the years before 1904 are not available, but the quantities were obviously small. These figures include all grades of benzol, including solvent naphtha. Before 1915 the solvent naphtha was probably one-third of the total, whereas since the war it is nearer 5% of the total. This is due to the fact that the material used now (coke-oven light oil) contains much less higher boiling products than the coal-tar light oil and Holder oils which were formerly the principal sources. Also, motor benzol contains a large portion of the solvent naphtha which is not separated.

#### Benzol Production in U. S.

	Gallons		Gallons
1904 .....	285,000	1912 .....	2,300,000
1905 .....	360,000	1913 .....	3,000,000
1906 .....	400,000	1914 .....	3,000,000
1907 .....	375,000	1915 .....	9,000,000
1908 .....	485,000	1916 .....	27,000,000
1909 .....	885,000	1917 .....	38,000,000
1910 .....	1,500,000	1918 .....	55,000,000
1911 .....	1,600,000	1919 .....	63,000,000
		1920 .....	70,000,000

Price records are available from 1890. The earlier figures\* (1890-1903), however, are from a record of the English market, and are approximate only for the United States, the market here being usually very slightly higher. The fluctuations in the earlier years were very great, even within the year. In 1897, for instance, the maximum was 96c per gallon and the minimum 29c per gallon. The prices given are the approximate average of all grades and are on the largest quantity selling price basis:

Per U. S. Gallon		Per U. S. Gallon	
1890	75c	1905	32c
1891	72c	1906	30c
1892	35c	1907	32c
1893	30c	1908	27c
1894	22c	1909	17c
1895	19c	1910	18c
1896	42c	1911	19c
1897	39c	1912	19c
1898	15c	1913	20c
1899	12c	1914	20c
1900	12c	1915	42c
1901	15c	1916	63c
1902	12c	1917	50c
1903	15c	1918	25c
1904	33c	1919	20c

In 1915, 1916, 1917 and 1918 the prices were exclusively for pure benzol. Previous to 1915, 90% benzol was the principal factor in determining price average. Since 1919 and for the future, on account of the large proportion of benzol used for motor fuel, the price of gasoline fixes the basic value. Depending on the grade, benzol sells from prices equivalent to tank wagon on gasoline

in the principal cities up to 10c per gallon above that base for the pure grade of benzol.

During 1921 and 1922, approximately ninety per cent of the quantity of light oil was produced as compared with the figures for 1920. Some of the larger companies found little difficulty in securing coal for their coke ovens during the shortage and, as a consequence, many have kept production up to 95 per cent. Many of the smaller plants, however, did have coal difficulties, and it is believed that their figures were lower. An average production of about 90 per cent for benzol in 1921 and 1922 is a fair estimate.

#### MAKING WHISKEY FROM HAIR TONIC

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 19.—"We have seized about seven carloads of various brands of body rubs, hair tonics and other preparations, nearly all of which proved to be nothing more than special denatured alcohol which was intended for redistillation into potable liquor," says Divisional Chief H. L. Duncan of Minneapolis in a report to Federal Prohibition Commissioner R. A. Haynes.

"Two shipments comprising several hundred cases of this stuff were followed to a point on the border line between North Dakota and Canada and were intercepted and arrests made. The investigation officers advise that Canadian officials raided a still near Oxbow, Saskatchewan, and seized liquor valued at approximately \$10,000, two large copper stills, which were being used for the redistillation of body rubs, and a large supply of counterfeit Canadian whiskey labels, caps, American revenue stamps and complete equipment for the coloring of whiskey and general counterfeiting of well-known brands of whiskey."

#### JAPANESE RELIEF FUND GROWS

Additional chemical companies contributing to the American Red Cross Japanese Relief Fund include the following:

Chas. Pfizer & Co.....	\$1,000	Gilbert Colgate .....	200
Wessel, Duval & Co.....	500	Oil Trades Ass'n of N. Y.	100
Borne-Scrymser Co.....	800	Denver Chemical Mfg. Co.	100
Chesebrough Mfg. Co.....	800	N. J. Zinc Co.....	95.75
Cone Export & Comm. Co.	500	W. J. Bush & Co.....	50
Bethlehem Steel Corp.....	1,000	Arnell & Douglas.....	150
Mitsui & Co.....	5,000	Standard Varnish Works..	100
Central Leather Co.....	1,000	Textile Color Card Ass'n..	50
Colgate & Co.....	500	John Lucas & Co.....	50

Henry Chalmers, chief of the foreign tariffs division of the Department of Commerce sailed for Europe last week. Mr. Chalmers will visit the leading European countries for the purpose of studying tariff and customs problems on the admission of American goods into countries of western Europe.

The highest number of cars ever loaded by American railroads were handled during the week ended Sept. 1, when 1,092,567 cars of revenue freight were loaded, an increase of 22,635 over the previous high record established the week before.

The birth of a daughter to Mr. and Mrs. Francis P. Garvan, New York, is announced. Mr. Garvan is president of Chemical Foundation. Mrs. Garvan was Miss Mabel Brady, daughter of the late Anthony N. Brady.

Edward Mallinckrodt, Jr., of Mallinckrodt Chemical Works, St. Louis, arrived in Marseilles, France, Sept. 18, from a hunting trip in Africa.

W. N. Barnum, of R. W. Greeff & Co., New York, is spending a few weeks in the Adirondacks.

## Chemical Exhibits Cover Wide Range

**Exposition Opens With 400 Exhibitors Representing Almost Every Line of Production in the United States—Quality of American Dyes Upheld by Tests Proving Fastness of Colors—Unique Exhibit of Copper Company to Demonstrate Protection of Copper Roof Against Lightning—American Chemical Society Shows Fully Equipped Laboratory—Moving Pictures Illustrate Manufacturing Processes—Meetings and Dinners During the Week**

The 1923 Chemical Exposition opened Monday, Sept. 17 with about 400 exhibits. Chemical equipment, chemicals, and other industrial products are being shown as in previous years. A moving picture program, embracing some thirty industrial films chiefly of a chemical and metallurgical nature, covers each afternoon and evening in a special auditorium. All products shown are of American manufacture except a few raw material exhibits from Canada.

In conjunction with the Exposition, the fall dinner of the American Institute of Chemical Engineers was held Wednesday evening at the Park Av. Hotel. The dinner of the American Ceramic Society was held at the Commodore Hotel, near the Grand Central Palace, on the same evening. Thursday has been planned as Pulp and Paper Day with a meeting of the Technical Association of the Pulp and Paper Industries at the Grand Central Palace. The annual Chemical Industry Banquet under the auspices of the Salesmen's Association is to be held Thursday evening at the Commodore Hotel with General Henry Allen, commander of the American Army on the Rhine, and Dr. Edgar F. Smith, as speakers. On Friday, the Technical Photographic and Microscopical Society will hold its fall meeting in the Grand Central Palace.

### *Sidelights on the Exposition*

International Salt Co. have a display of salt, various grades of crude and refined.

Federal Phosphorus Co. are showing phosphorus and phosphates of their manufacture.

Proctor & Schwartz are showing a full plant-size drying equipment of their manufacture.

Capes Viscose Co., makers of bottle cappings for hermetical sealing, have an interesting exhibit.

D. H. Little is showing a line of small package chemicals of several manufacturers for which he is agent.

American Cyanamid Co. have a display of cyanamid and cyanides, several of the latter being new products.

Mallinckrodt Chemical Works are featuring a display of their fine and medicinal chemicals in small size containers.

Darco Sales Corp. are showing various oils and fats refined and decolorized by use of their decolorizing carbons.

Three well-known lacquer makers have exhibits, Zeller Lacquer Co., Egyptian Lacquer Co., and Maas & Waldstein Co.

Lindsay Light Co. are showing rare and other chemicals of their manufacture, particularly titanium and thorium salts.

Industrial Chemical Co., New York, is distributing maps of New York City at Booth 90, for the benefit of out-of-town visitors.

Radio fans, even in the chemical industry, are numerous if the crowds investigating the intricacies of the Radio Exhibit are any criterion.

Florasynth Laboratories are the only company showing a full line of aromatic chemicals for perfume and flavoring use. All are American made.

National Lime Ass'n. have a display of the various industrial uses and benefits of lime. The association represents most of the American manufacturers.

Eastman Kodak Co. are exhibiting numerous rare chemicals of their chemical department, many of which are not made by any other company in the U. S.

A birch cabin houses the wood distillation products of the Cleveland-Cliffs Iron Co. They are showing methanol, acetate of lime, acetic acid and acetone among other products.

Industrial Chemical Co. is showing "Filcher", the filtering, decolorizing and deodorizing carbon. They have an exhibit particularly for the uses of "Nuchar," the decolorizing material for the sugar trade.

U. S. Industrial Alcohol Co. and the U. S. Industrial Chemical Co. are showing "Pyro" and "Alcorub", as well as a line of chemicals including iodine, iodides, higher alcohols, ethers, esters, and others.

A copper roof as a protector against lightning is demonstrated at the booth of the Anaconda Copper Co. Actual home-made lightning is made to strike the roof of a miniature house with apparently no effect whatever.

The fully equipped laboratory with all modern appliances under the auspices of the American Chemical Society and Major Kimberly, is attracting a great deal of interest, particularly from laboratory and plant visitors.

Dr. F. W. Russe, E. O. Kraft, and H. W. Simpkins, of Mallinckrodt Chemical Works, St. Louis, were visitors at the Chemical Exposition. They will remain to the dinner of the Salesmen's Association of the Chemical Industry, Thursday night.

New Jersey Zinc Co. is featuring both the construction uses of metallic zinc and also the chemical products derived from zinc. A sample roof covered with sheet zinc shingles shows the uses for dwelling and plant weather resisting roofing and drain pipes.

Mathieson Alkali Works exhibit demonstrates the particular uses of chlorine procedure in the paper mill or bleachery where liquid chlorine in large cylinders is employed. The company is also showing its full line of caustic and ash in various forms and in different packings.

The consolidated dyestuff exhibit contains machinery supplied by the American Laundry Machinery Co. in which washing tests to demonstrate the fastness of various American colors to ordinary laundry-trade washing conditions, are carried on. Several of the American dye manufacturers have supplied the colors and materials for this exhibit.



## PHARMACEUTICALS GERMANY MAY SELL

Reparations Commission Designates Certain Products Which Are Now Released—Output of Factories During June, With Prices In Gold Marks

German production of pharmaceuticals during June, estimated by the Reparations Commission and forwarded to the Department of Commerce, Washington by Trade

Commissioner Breithut, now in Paris, is shown in the following table.

The reports gives the price per kilo in paper marks and the price per kilo in gold marks. At the average rate of exchange, 1 gold mark equals 24,193,842 paper marks. By an agreement with the Reparations Commission the factories may from now on freely dispose of the products marked with a star.

Product	Production in grams	Price per kilo in paper marks	Price per kilo in gold marks
Acetonchloroform.....	44,100	225,000	9.30
*Acetylchloroform.....	7,276	1,102,000	45.55
Acid. acetylsalicyl.....	31,392,000	68,000	2.81
Acid. dibromosuccinic.....	80	130,000	5.37
Acid. hydrocynnamylic.....	660	91,000	3.76
Acid. salicylic, cryst.....	20,696,000	41,000	1.69
Acid. salicylic, prec.....	24,590,000	40,000	1.65
Acid. salicylic, vol.....	26,050,000	40,000	1.65
Acid. sulfosalicyl.....	151,000	38,800	1.60
Acid. valerician monohydr.....	1,375,000	136,500	5.64
*Acid. ascorb.....	10,000	765,000	31.62
Adalin.....	893,700	690,000	28.52
Aether acetic.....	884,900	21,200	0.88
Aether butyric.....	2,500	48,000	1.98
*Aether formic. absol.....	113,000	74,200	3.07
Aether formic. conc.....	400	112,000	4.63
Aether glycoallat. hydrochl.....	1,500	45,500	1.88
*Aether jodat.....	2,600	1,375,000	56.83
Aether sulf. med. o.72.....	34,306,000	8,800	0.36
Aether pro narcosi.....	9,203,600	12,000	0.50
Aethylmorphin hydr.....	19,072	1,600,000	415.00
Agurin.....	10,000	870,000	35.95
Albargin.....	104,800	582,000	24.06
*Amm. benzoic. Ph. G. IV.....	366,500	54,600	2.26
*Amphotropin.....	60,000	222,600	9.20
Amylum nitrosu.....	67,000	32,000	1.32
Antipyrin.....	7,611,900	441,000	18.93
Apomorphin hydrochl.....	1,340	700.00	700.00
*Argentamin.....	40,668	195,400	8.08
Argentum proteinic.....	154,000	220,000	9.09
*Arhovin.....	200,000	229,500	9.48
Aristol.....	73,200	1,600,000	66.13
*Aramon (cartons of 10 ampoules of 1 cc.).....	56,000	4,300	0.18
Aspirin.....	15,058,000	160,000	6.61
Argonin.....	43,400	338,000	13.97
Atophan.....	269,020	202,840	8.38
Atoxyl.....	1,000	1,799,690	74.39
Benzonaphtol.....	1,196,500	214,200	8.85
Bismuth subgalic.....	241,680	665,000	27.49
Bismuth salicylic 64%.....	164,900	.....	22.10
Bismuth subsalicylic 63%.....	32,840	.....	21.00
Bismuth subsalicylic pur.....	104,400	.....	15.00
40% BiO <sub>3</sub> .....	69,000	.....	22.00
Bismuth dibromphenylic.....	177,500	595,000	24.59
*Boroverin.....	157,148	360,000	14.88
Bromocoll.....	208,700	350,000	14.46
Bromoform puriss.....	457,300	51,120	1.11
*Calcium salicyl.....	4,588	52,250	2.28
*Calodal.....	82,000	161,800	6.69
Camphor synth. pur. pulv.....	2,624,576	106,517	4.40
Chinosol.....	172,000	478,125	19.76
Chloralhydrat.....	770,000	30,000	1.24
Chloramin.....	474,000	20,450	0.85
Chloroform Ph. G. V.....	2,100,500	15,000	0.62
Chloroform pro narcosi E. H.....	442,700	15,500	0.64
Choleval.....	71,968	620,000	25.63
Cocain hydrochl.....	150,560	6,914,000	285.78
Codein hydrochl.....	34,312	327.60	327.60
Codein phosphoric.....	91,800	325.00	325.00
Codein pur. cryst.....	127,032	378.00	378.00
Coffein pur.....	.....	.....	.....
*Corylin.....	137,900	1,600,000	66.13
Cresotal.....	2,762,300	200,000	8.27
Cusylol.....	8,400	400,000	13.53
*Cyarsal 1% (in cartons of 10 ampoules of 2.2 cc.).....	104,828	56,000	2.31
Diacetylmorphin hydr.....	282,048	.....	395.00
*Diafor en. compr. (in tubes of 20 tablets, at 0.66 gm.).....	528	2,550	0.11
Dimethylpiperazin tartaric.....	8,000	2,720,000	112.43
Dionin.....	100,400	627,000	25.92
Dijodol en compr. (in tubes of 20 tablets, at 0.3 gm.).....	9,556	24,754	1.02
Diplosal.....	286,500	155,000	6.41
Dijodol en caps. (in cartons of 20 caps., at 0.3 gm.).....	118,000	25,303	1.05
*Citran.....	36,500	1,286,600	53.18
Chineonal.....	66,600	115,000	4.75
Diuretin.....	53,500	370,000	15.29
Eldoform (in tubes of 20 compr. at 0.5 gm.).....	13,400	5,800	0.23
*Embarin (in cartons of 10 amps. at 1 cc.).....	60,000	2,860	0.12

Product	Production in grams	Price per kilo in paper marks	Price per kilo in gold marks
*Ezytol.....	21,000	84,022	3.47
*Eucain hydrochl.....	7,100	472,800	19.54
*Euguforn.....	14,000	223,600	9.24
*Eukodal.....	12,388	5,000	0.21
Euphtalmin.....	1,232	2,328,000	96.22
Euphyllin.....	9,600	896,000	37.03
Europhen.....	90,000	1,400,000	57.86
*Euresol pro cap.....	10,000	166,500	6.88
*Flavied.....	15,000	600,000	24.80
Formaldehyd ph. Ware	.....	.....	.....
100%.....	5,839,000	44,571.42	1.84
*Formamid.....	66,008	78,000	3.22
Gardan.....	40,000	573,000	23.68
*Acid glycerinophosph. sol.	24,700	62,500	2.58
*Acid glycerinophosph. sol.	3,700	125,000	5.17
50%.....	8,800	72,000	2.98
*Calcium glycerinophos. 50%.....	12,500	50,000	2.07
*Calcium glycerinophos. 90%.....	825,700	90,000	3.72
Calcium glycerinophos. liq.	37,200	50,000	2.07
50%.....	447,023	90,000	3.72
Calcium glycerinophosph. neutral.....	290,200	180,000	7.44
Ferrum glycerinophosph. i/am. sol.....	1,000	95,000	3.93
*Ferrum glycerinophosph. 50%.....	175,860	180,000	7.44
Ferrum glycerinophosph. liq. 50%.....	157,648	50,000	2.07
Kalium glycerinophosph. 50%.....	68,784	75,000	3.10
Kalium glycerinophosph. 75%.....	4,256	100,000	3.13
Kalium glycerinophosph. 100%.....	2,840	165,000	6.82
*Lithium glycerinophosph. sol.....	12,160	125,000	5.17
Magnesium glycerinophosph. 50%.....	17,052	80,000	3.31
Magnesium glycerinophosph. 100%.....	86,400	150,000	6.20
Natrium glycerinophosph. 50%.....	880,572	25,000	1.03
Natrium glycerinophosph. 75%.....	124,564	37,500	1.54
Natrium glycerinophosph. 100%.....	36,544	60,000	2.48
Natrium glycerinophosph. cryst.....	136,180	116,500	4.82
Natrium glycerinophosph. pulv.....	701,500	116,500	4.82
Guajacol carbonic.....	1,261,500	318,796	13.18
Guajacol liquid.....	491,000	130,000	5.37
Guajacol cryst.....	125,000	200,000	8.27
Hegonon.....	22,184	309,960	12.81
Helmitol.....	1,074,500	370,000	15.29
Hexame thylenetetramin.....	6,131,500	85,000	3.51
Hexamethylenetetramin methylen-citric.....	5,000	280,000	11.57
*Homatropin hydrobromic.....	1,456	10,500	0.43
cryst.....	.....	.....	.....
Hydrarg. salicylic.....	27,968	195,000	8.06
*Hydrarg. tannic.....	6,000	540,000	22.32
Ichtalbin.....	30,000	220,000	9.09
Ichthargan.....	5,000	4,000,000	165.33
Ichthulfon.....	104,100	65,000	2.69
Ichthyol.....	1,500	200,000	8.27
Ichthyat.....	100,000	30,000	1.24
*Istizin veter.....	240,000	150,000	6.20
*Jodival.....	24,000	950,000	39.27
Jodoform.....	217,168	.....	46.70
Jodoform pulv. lev. Merck.....	223,020	.....	48.50
Jodipin 10%.....	53,000	130,000	0.54
Jodipin 20%.....	97,900	23,000	0.95
Jodol.....	164,700	802,500	33.17
*Jothion.....	149,200	1,100,000	45.47
Natrium kakodylic.....	249,300	220,000	9.09
Kallium benzoic.....	31,500	59,800	2.47
*Kallium sulfokreosot.....	5,972,900	130,000	5.37
Kreosot carbonic.....	70,000	136,000	5.62
Lactophenin.....	784,500	292,200	12.08
Lenogallol.....	100,000	300,000	12.40
Luminal.....	30,600	320,000	13.23
.....	26,100	1,527,750	63.14

(Continued on page 749)



**QUOTATIONS ON CHEMICAL STOCKS**  
Closing Prices for Week Ending Sept. 15

	Bid	Asked		Bid	Asked
Air Reduction .....	64	64½	Heyden Chem. ....	134	134
*Allied Chem. & D. 64½	65½		Hooker Electro ....	55	55
*Allied Ch. & D., pf. 105½	108		Hooker Electro, pf. 60	70	70
*Am. Ag. Ch. ....	35¼	36	*Household Products 31	31¼	31¼
*Am. Ag. Ch., pf. ....	105¼	11	*Int. Agricult. ....	1¼	2¼
*Am. Chicle, pf. ....	40	41	*Int. Agricult., pf. 8	8	9¼
*Am. Cot. Oil. ....	6	6¼	*Int. Nickel ....	12	12¼
*Am. Cot. Oil, pf. ....	18	21	*Int. Nickel, pf. ....	76	79
*Am. Cyan. ....	63	65	*Int. Salt ....	76¼	80¼
*Am. Cyan., pf. ....	73	75	*Mathieson Alk. ....	38¼	40¼
*Am. Druggist S. ....	4½	4½	*Merck & Co., pf. ....	75	78
Am. Glue ....	82	85	Merrimac ....	29	34
Am. Glue, pf. ....	124	126½	Mulford Co. ....	29	34
*Am. Linseed ....	17	18½	Mutual Co. ....	150	150
*Am. Linseed, pf. ....	37	39	*National Lead ....	117¼	119¼
*Am. Malt ....	12	13	*National Lead, pf. 100	112¼	115¼
*Am. Zinc ....	8	8¼	N. J. Zinc ....	149	151
*Am. Zinc, pf. ....	30½	35	Niag. A., pf. ....	96	100
*Atlas Powder ....	53	54	Parke, Davis & Co. 80¼	80	80¼
*Atlas Powd., pf. ....	84½	89¼	Penn Salt ....	80	80
By. Prod. Co. ....	67	72	*People's Gas, Chi. 90¼	92	92
Carborundum ....	135	135¼	Procter & Gamble. 124	128	128
Carborundum, pf. ....	115¼	116	Procter & Gam., pf. 102	106	106
Casein Co. ....	60	65	Royal Bak. Po. ....	122	130
Celluloid Co. ....	85	90	Royal Bak. Po., pf. 98	100	100
Celluloid Co., pf. ....	108	111	Sherwin-Williams .. 29¼	29¼	29¼
Ches. Mfg. ....	220	230	Sherwin-W., pf. ....	101¼	101¼
Ches. Mfg., pf. ....	108	114	Stand. Ch. ....	90	100
Com'l Solv. A. ....	31	32	Swan & Finch. ....	27	30
Do B. ....	21	23	*Tenn. C. & Chem. 9¼	9¼	9¼
*Corn Products ....	123¼	124	*Tex. Gulf, Sul. ....	55¼	55¼
*Corn Products, pf. 117	120	120	Union Carbide ....	53¼	53¼
*Davison Chem. ....	50¼	50¼	Union Sulphur ....	78	78
Dow Chem. non par. 46	47	47	*Un. Drug ....	76¼	78
Dow Ch., pf. ....	96	96	*Un. Drug, 1st pf. 47¼	47¼	47¼
Du Pont de Nem. ....	123	124	*Un. Dyewood ....	40	45
*Du P't de Nem. Db. 85¼	87	87	*Un. Dyewood, pf. ....	51¼	51¼
Eastman Kodak ....	103¼	103¼	Un. Gas Imp., pf. 56	56	56
Eastman Kodak, pf. 108¼	109¼	109¼	U. S. Gypsum ....	72¼	72¼
*Freeport Tex., Sul. 13	13¼	13¼	*U. S. Indus. Al. ....	50¼	51
Freep. Tex. Sul., pf. 91	93	93	*U. S. Indus. Al., pf. 96	100	100
*Grasselli ....	125	128	*Va.-Car. Ch. ....	9	9¼
*Grasselli, pf. ....	105	105	*Va.-Car. Ch., pf. ....	26¼	28
Hercules Powder ....	104	110	*V. Vivandou ....	18¼	18¼
Hercules Powd., pf. 103	107	107			

\*Listed on New York Stock Exchange

**Financial Notes**

Merrimac Chemical Co., has declared quarterly dividend of \$1.25 a share, payable Sept. 29.

United Naval Stores Co., has filed judgment in New York county against Julius Silverman for \$139.25.

Arlington Chemical Co., Yonkers, New York, has increased its capitalization from \$25,000 to \$1,500,000.

A judgment against Nitro Products Co., for \$105.98 for taxes has been filed in New York County by the City of New York.

Air Reduction Co., has declared a quarterly dividend of \$1 a share on the common, payable Oct. 15 to stock of record Sept. 29.

Ryco Extract Chemical Co., a Wilmington, Del., chartered company, is capitalized at \$10,000,000, not \$10,000 as previously stated.

The downward movement in stocks, last week, affected the shares of E. I. du Pont de Nemours & Co., which broke 5½ points on Friday.

Merck & Co., have declared the regular quarterly dividend of \$2 a share on the preferred stock, payable Oct. 1 to holders of record Sept. 17.

Twenty-five shares of Butterworth-Judson Corp. common stock were sold for \$11. for the lot at Vesey Street Auction Rooms, New York, last week.

National Licorice Co., has declared a quarterly dividend of 1½ per cent on the preferred stock, payable Sept. 29 to holders of record Sept. 21.

Royal Baking Powder Co., has declared quarterly dividends of 2 per cent on common and 1½ per cent on preferred, payable Sept. 30 to stock of record Sept. 15.

A petition in bankruptcy, has been filed against G. S. Alexander & Co., 33 Rector St., New York, brokers in fertilizer materials, by Frederick G. Topliff on a claim of \$28,933. The assets are estimated at \$20,000, but no statement of liabilities is available. Johan Dicksen recently began suit against the company for \$51,414.

Following securities were sold at auction at 14 Vesey St., New York, last week; 12 shares Independent Chemical Co., common trust certificates; and 12 shares Independent Chemical Co., 7 per cent first preferred and \$10 scrip. trust certificates at \$130 for the lot; 5,682 shares Butterworth-Judson Corp., \$100 preferred stock at \$200 for the lot; \$62,500 Alphano Humus Co., stock syndicate participation at \$5 for the lot; and \$99,936.54 Atlantic Potash Co., demand notes at \$1 for the lot.

International Agricultural Corp., proposes to raise \$9,000,000 cash to reduce its bank loans by the sale to holders of preferred stock of \$10,000,000 par value of new prior preference 7 per cent, cumulative stock at \$90 a share. With each share of the new stock subscribed will go two and a quarter shares of a new issue of 450,000 shares of no par value common stock. According to John J. Watson, Jr., who has succeeded Stephen B. Fleming as President of the company, the \$9,000,000 received from the underwriting of the present stock will enable the company to assume a financial position in marked contrast with the position ascribed to the low state of the fertilizer market until recently."

**New Incorporations**

**Chemical Industry**

Pacific States Chemical Co., San Francisco, Cal., \$50,000. Chemicals. F. J. Baringer, J. R. Hickey, and Z. E. Jones. Representative, J. E. White, Monadnock Bldg., San Francisco.

De-Ferric Chemical Corp., Detroit, Mich., \$30,000. Chemicals. Wm. J. Harcourt, C. A. Poxson, and J. J. VanBuhler, 5160 South Martindale st.

Rodgers Chemical Co., Pittsburgh, Pa., \$10,000. Chemicals. F. D. Rodgers, 648 Boggs ave.

Seidler Chemical & Supply Co., 21 Ferry st., Newark, N. J. Chemicals. Organizer, A. C. Faatz.

International Cotton Oil Co., Waco, Texas, \$150,000. J. M. Ford, H. P. Swayze, and W. W. Woodson.

Herman Chemical Co. of Illinois, Chicago, \$10,000. Chemicals. A. H. Smith, L. K. Edmondson, and A. Karvatt, 705 Chicago Stock Exchange Bldg.

Penn Atlas Co., Dover, Del., \$550,000. Coal and chemicals. U. S. Corp. Co.

Publicker Commercial Alcohol Co., New York, \$20,000. T. F. Garvey, P. Acker, R. Davis. Attorney, A. M. Davis, 207 Broadway.

Cook Laboratories, Wilmington, Del., \$2,500,000. Chemicals. Corporation Trust Co. of America.

**Consuming Industries**

Brunswick Tire Corp., New York, \$100,000. B. E. Bensinger, H. F. Davenport, and C. P. Miller, 29 W. 32nd st.

Bowater Paper Co., New York, \$150,000. F. C. Bowater, R. A. Bullock, and F. C. McLaughlin. Rep., McLaughlin, Russell & Sprague, 25 W. 43d st.

Yarnall Tanning Co., Salem, Mass., \$50,000. Operate tannery. R. B. Yarnall and J. H. O'Neil, Danvers.

Champney & Turk, Buffalo, \$230,000. Laundry. C. T. Champney, H. W. Turk, and S. P. Gould. Attorney, H. E. Webster.

Associated Drug Industries, New York, \$1,000,000. U. S. Corp. Co.

Highland Laundry Service, Cortlandt, New York, Westchester Co., \$15,000. J. A. Sheridan, J. M. Lawless, and F. M. Wandell, Jr.

Whistle Company of Cal., Wilmington, Del., \$375,000. Beverages.

Motion Picture Capital Corp., Dover, Del., \$6,250,000. Films, prints, and photographs.

Fidelio Brewery, New York, \$200,000. Cereal beverages. N. S. Goldberger, J. Weinstock, and G. R. Muhlar. Attorneys, Brussel & Beebe, 165 Broadway.

## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 768

### AMMONIUM CHLORIDE CONTINUES STRONG

Higher Prices Quoted for Shipment—Barium Chloride Higher—White Arsenic Advanced—Bleaching Powder Firm—Potash Bichromate Lower—Ammonium Sulfate Gaining

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

<b>Advanced</b>	
Ammonium Chloride, ½c lb.	Barium Chloride, \$2.00 ton
Arsenic, ¼c lb.	Potassium Bicarbonate, 2c lb.
<b>Declined</b>	
Potassium Bichromate, ¼c lb.	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.23½	\$1.23½	\$1.23½	\$1.12	\$1.19½	\$0.7
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate...100 lbs.	3.15	3.15	3.15	3.50	7.50	1.50
Bleaching Powder...100 lbs.	1.75	1.75	1.75	1.75	9.50	1.50
Copper Sulfate...100 lbs.	5.00	5.00	5.15	5.90	20.00	4.50
Potash Caustic...lb.	.07½	.07¼	.07½	.05¼	.87	.08
Soda Ash, 58 p.c...100 lbs.	2.00	2.00	2.00	2.00	3.50	.60
Caustic Soda, 76 p.c...100 lbs.	3.70	3.70	3.70	3.70	9.50	1.42
Potassium Bichromate...lb.	.09¼	.10	.10	.10	.65	.06¾
Sodium Prussiate...lb.	.14	.14	.14	.24	1.25	.18
<b>Average</b> .....	<b>3.106</b>	<b>3.106</b>	<b>3.119</b>	<b>3.104</b>	<b>10.79</b>	<b>2.99</b>

Generally speaking, business in industrial chemicals is showing steady improvement. Inquiries are reported more numerous and orders are gradually growing larger, though small orders still predominate. The advent of cooler weather has stimulated buying and the outlook has become more encouraging. The Chemical Exposition has attracted many buyers to the city and some improvement is looked for from this source. Prices have been holding steady and the trend appears to be upward. Caustic soda and soda ash prices have been a feature in the market and this fact has had a stabilizing influence on the market as a whole. Heavy acids have been moving well on contract and a steady increase is expected. Bleaching powder has become steadier with the approach of cooler weather and better demand. Sales of bichromates have been fair but not up to expectations. Prices have not been firm owing to keen competition for business. Ammonium chloride has advanced owing to higher shipment prices from abroad. Arsenic has become stronger with export demand holding prices up. Recent reports state that German arsenic production has declined and shipments from Japan have halted temporarily. Copper sulfate is quiet. Potassium bicarbonate is scarce and higher. Sodium prussiate is holding at recent levels. Ammonium sulfate is gaining in demand and price. Sodium sulfide continues weak. Barium chloride is higher.

**Acid, Acetic**—Demand has been for moderate lots but improved demand is looked for soon. Makers' prices are unchanged with 28% quoted at \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Muriatic**—Fair demand is reported and supplies are adequate. Prices held at \$1.00@1.10 for 20° in tanks and \$1.25@1.50 in carboys; 22° in carboys is held at \$1.75@2.00.

**Acid, Oxalic**—Demand has been disappointing. Prices are holding at 12clb. at works and 12c@12½clb. on spot.

**Acid, Sulfuric**—Consumption has been proceeding steadily with contract buyers taking supplies regularly and new business improving. Makers continue to quote 66° in tanks at \$15.00@16.00 ton at works; drums

named at \$1.10@1.25 and carboys at \$1.25@1.50; 60° acid is named at \$9.00@10.00 in tanks and 60c@70c in drums. Oleum is in limited supply at \$18.00@19.00 ton.

**Alums**—Demand is moderate and prices are unchanged at former quotations. Ammonia lump held at \$3.50@3.65; ground, \$3.65@3.75. Potash, lump, \$4.25@4.50 at works and \$3.00@3.25 for imported. Chrome at \$5.50@6.00.

**Ammonium Chloride**—Higher prices are quoted for shipment and spot prices have advanced to 6¼c@6½c lb. for white. Gray at 7c@8clb. Domestic white held at 7½c@8clb. and gray, 8c@8½clb. Lump, 13c@14clb.

**Ammonium Sulfate**—Buying has begun to improve and prices have a firmer tone. Bulk at works held at \$3.15@3.20; single bags, \$3.30; double bags, f.a.s., \$3.45.

**Arsenic**—Export demand has kept prices up and sellers are quoting inside at 10¾c@11clb. Domestic buying has been rather quiet. Imports at New York last week were 296 bbls. from Mexico and 330 casks from Japan. German arsenic production has fallen off according to recent advices from Germany. Calcium arsenate has become quiet and prices are nominal.

**Barium Products**—The chloride was in active demand and prices stiffened to \$82.00@83.00 ton. The carbonate continued scarce and sellers were holding at recent higher levels. Makers report a sold up condition for the next month. Prices quoted at \$69.00@70.00 ton at works. Imported scarce at \$77.00@78.00 ton.

**Bleaching Powder**—Most of the distressed lots have been taken up and prices have become firmer. Most sellers are quoting \$1.75 at works though one or two are still holding at \$1.50. Demand has begun to improve as mills gradually resume operations.

**Copper Sulfate**—Fair demand for the season with prices inclined to be easy due to lower metal prices. Domestic at \$5.00@5.15 as to quantity and imported at 4½c@5clb.

**Potash, Caustic**—Spot prices are somewhat unsettled and offerings have been heard at 7clb. though most sellers are at 7¼clb. Shipment prices are named at 7clb. Distribution methods in Germany for export are still uncertain and local prices have been unstable. Domestic material is steady at 9c@10clb.

**Potassium Bicarbonate**—Difficult to obtain from abroad and prices are higher at 12c@12½clb.

**Potassium Bichromate**—Makers are quoting lower prices at 9¾clb. Buyers are showing little interest except for small quantities for immediate delivery.

**Potassium Prussiate**—Shipment prices named at 28c lb. while spot goods are obtainable at 29c@32clb. according to seller and quantity.

**Soda Ash**—Contract deliveries have been proceeding regularly and prompt business is reported satisfactory. Makers' prices steady at \$1.45@1.50 for carlots of bags at works. Spot business continues fair with less than carlots at \$2.00, ex-warehouse, in bags, and \$2.25 in barrels.

**Soda Caustic**—Makers report increasing deliveries on contract while new business is gaining steadily. Contracts are quoted at \$3.16½ for solid in carlots at works. Spot prices for less than carlots held at \$3.80, delivered.

**Sodium Bichromate**—Consumers have been taking moderate quantities but business has been slow in developing. Makers are quoting 7¼c@7½c lb. as to quantity and seller.

**Sodium Prussiate**—Demand has shown a little improvement and prices are somewhat firmer with imported held at 14c lb. Domestic makers are also quoting 14c lb. with freight allowed to nearby points.

**Sodium Nitrate**—Prices are quoted at \$2.45 for spot and September. Demand has been slow but improvement in buying is expected to begin soon. Futures are higher but little interest is being displayed at the moment.

**Sodium Sulfide**—Demand has shown little improvement and prices are easy. Domestic makers are quoting 4c@5c lb. for solid and broken at works. Crystals named at 2c@2½c lb. Imported solid and broken at 3c@3½c lb. and crystals, 2c@2¼c lb.

### ACETATE OF LIME OUTPUT LESS (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 19—July production of acetate of lime and methanol based on reports received from manufacturers, was less than for previous months, this year. The following table shows the operations of wood-chemical plants:

	Production Acetate of lime (pounds)	Methanol (gallons)	Consumption of wood (cords)	Stocks of wood end of month (cords)
January .....	15,484,065	863,608	97,284	812,763
February .....	13,154,785	724,037	80,465	795,870
March .....	14,732,054	786,774	86,598	764,032
April .....	13,237,584	710,987	81,342	748,475
May .....	14,667,584	796,481	89,902	759,349
June .....	14,129,529	727,468	84,390	781,596
July .....	12,873,572	645,673	76,774	794,416

Schedules proposing the cancellation of domestic commodity rates on nitrate of soda, carloads, from New Orleans, La., and other Gulf ports east of New Orleans, to destinations in Central Freight Association territory, have been suspended by the Interstate Commerce Commission.

Imports of white arsenic for July, 1923, are officially announced as 1,212,354 lbs. valued at \$111,631. Total importations for the seven months ending July, 1923, were 12,559,500 lbs. valued at 1,195,603.

American Electrochemical Society will hold its Fall meeting Sept. 27, 28 and 29 at Dayton, O. The Spring meeting will be held in Philadelphia, April 24, 25 and 26, 1924.

Fire destroyed 300,000 pounds of salvaged smokeless powder at the army ordnance depot, a few miles north of Charleston, S. C., on Sept. 8. There was no explosion.

Bleaching powder imports for the first seven months this year are announced as 1,060,529 lbs., compared with 7,760,694 lbs. for the same period in 1922.

Secretary Hoover says the results of the investigation into the nitrate industry will not be available until they are forwarded to Congress in December.

Hercules Powder Co. has declared the regular quarterly dividend of 1½ per cent on common stock, payable Sept. 25 to stock of record Sept. 15.

Tennessee Copper & Chemical Co., has declared a quarterly dividend of 25 cents a share, payable Oct. 15 to stock of record Sept. 29.

Building of Hooker Electrochemical Co., 25 Pine st., New York, damaged by fire on Sept. 1, was insured for \$200,000.

### ANNOUNCE 1924 ALKALI PRICES

#### Mathieson Alkali Works Give Out Figures for Contracts Over Next Year—Same as Have Ruled During 1923—Belies Rumors of Lower Prices for 1924

Alkali contract prices for 1924 have been announced by the Mathieson Alkali Works. The prices are the same as have been ruling during 1923 and also during 1922. The open announcement of quotations without change belies recent rumors that certain producers were contemplating reducing prices. As a matter of fact, an advance in quotations was looked for last spring, but steadily increased business in alkalis through the spring and summer compensated for greater cost of production, and the prices remained unchanged.

The following prices, effective September 20, 1923, and subject to change without notice, will apply on contracts for 1924.

58% Light Soda Ash	Per 100 Pounds
In bulk .....	\$1.33
In 200 pound bags .....	1.45
In 300 pound barrels .....	1.69
58% Dense Soda Ash	
In Bulk .....	1.42
In 300 pound bags .....	1.51
In 400 pound barrels .....	1.75
76% Solid Caustic Soda	
In 700 pound drums .....	3.165
76% Ground Caustic Soda	
In 425 pound drums .....	3.60
In 425 pound barrels .....	3.85
76% Flaked Caustic Soda	
In 400 pound drums .....	3.60
In 400 pound barrels .....	3.85
U.S.P. Bicarbonate of Soda—Powdered	
In 112 pound kegs .....	2.25
In 330 pound barrels .....	2.00
In 400 pound barrels .....	2.00
In 200 pound paper lined bags .....	1.90
In 200 pound plain burlap bags .....	1.875
In bulk .....	1.75

Prices on Granular U. S. P. bicarbonate of soda are 37½c per 100 pounds higher.

The following statement was made by Mathieson in connection with the new price schedule: "For several years, The Mathieson Alkali Works, Inc., has taken advantage of Chemical Show week to hold a sales convention at that time, and to have in New York for this conference, all salesmen, district sales managers, plant executives, and research men. The company is going farther this year, and is including in its convention plans, representatives of the fifty distributors, who are now acting as local agents for the Mathieson company. Such conditions are ideal for coordination of effort from all branches of the organization. The company's plans and policies will be announced, and the most important of these from the standpoint of the chemical trade, is the announcement of contract prices on Alkali for delivery over all of 1924."

The number of directors of American Agricultural Chemical Co., was reduced from 17 to 12 at the annual meeting of stockholders, held Friday, Sept. 14. The entire board was re-elected with the exception of the following: J. D. C. Bradley, G. C. Bingham, M. E. Wheeler, James H. Brodie and E. F. Daniel, Jr.

Stocks of gum copal owned by France, Campbell & Darling and stored at 221 Bay st., Brooklyn, were damaged by fire, recently. Loss was covered by insurance.



## The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 768

### ORTHO AND PARA-TOLUIDINE ACTIVE

Improved Demand for Intermediates Noticeable—Ortho and Para-nitrotoluol Higher—Para-nitraniline Moving Well—Cresylic Acid Firm on Good Demand—Toluene Has Firmer Tone

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	<b>Advanced</b>	
Para-toluidine, 5c lb.		Ortho-nitrotoluol, 1c lb.
	Para-nitrotoluol, 5c lb.	
	<b>Declined</b>	
	<b>No Declines</b>	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	.24	.24	.25	.30	\$1.10	.25
Naphthalene flake .....lb.	.07	.07	.07	.07	.16	.03
Phenol, Spot .....lb.	.29	.29	.32	.30	1.50	.08
Toluene, pure .....gal.	.26	.26	.26	.30	..	..
Aniline Oil .....lb.	.16	.16	.16	.14	1.40	.09%
Alpha-naphthylamine ..lb.	.35	.35	.36	.30	1.25	..
Benzaldehyde .....lb.	.75	.75	.75	.55	..	..
Betanaphthol, dist. ....lb.	.21	.21	.22	.22	1.50	.08
Dimethylaniline .....lb.	.40	.40	.40	.30	1.30	..
Paranitroaniline .....lb.	.74	.74	.74	.73	1.58	.18
Average .....	.347	.347	.352	.311	..	..

After the usual quiet period, business in intermediates has begun to show signs of improvement. Many makers of dyestuffs are resuming operations and making inquiries in regard to supplies and quotations. Stocks of intermediates are not excessive because the manufacture of these products was immediately curtailed when the demand began to fall off during the early part of the summer. Most consumers were running close on stocks and they have had little to offer for resale. The situation is at present well controlled by manufacturers, other interests having gradually been eliminated. Prices have held steady during the quiet period and have a firm tone at present. Toluidines have been showing considerable activity and prices are at higher levels. All makers are quoting the higher prices for ortho-toluidine. One maker is higher on para-toluidine and ortho-nitrotoluol. Other prices are practically unchanged at recent levels. Dimethylaniline is expected to become easier owing to the recent reductions in methyl alcohol.

Coal-tar crudes have been moving in better volume. Benzene has an easier tone owing to recent gasoline reductions. Cresylic acid is firm and in limited supply. Naphthalene is abundant and easy. Phenol is unchanged. Pyridine continues scarce and high.

#### Coal-Tar Crudes

**Benzene**—Demand is showing a steady improvement and prices are being maintained at comparatively low levels owing to recent gasoline reductions in the west. Production is falling off as steel production shows declines. Prices are quoted at 24c@26c per gallon for pure in tanks and 29c@32c in drums; 90% at 22c@23c in tanks and 27c@29c in drums.

**Cresylic Acid**—Demand has shown improvement and prices are being firmly maintained. Prominent sellers had no large supplies to offer. Prices are held at 83c@90c per gallon for pale acid as to quantity and seller.

**Naphthalene**—Demand is still light and supplies are reported in good volume. Prices for flake are quoted

at 7c@8c lb. according to seller and quantity; chipped named at 6c@7c lb.

**Phenol**—Inquiries have been better but actual sales have shown no large improvement. Makers are quoting 28c@30c lb. at works. Open market buying has been quiet with prices at 28c@29c lb.

**Pyridine**—Offers are difficult to obtain and prices continue at recent high levels. Prominent sellers are quoting \$4.50@\$5.00 per gallon.

**Toluene**—Stocks are reported somewhat limited and demand increasing. Quotations are unchanged at 27c@28c in tanks and 31c@32c in drums.

**Xylene**—In fair supply on routine demand. Prices holding at 55c in tanks and 65c in drums.

#### Intermediates

**Acid, Anthranilic**—Makers are quoting technical at 96c lb. and refined \$1.20 lb. Demand routine.

**Acid, Broenner's**—Occasional sales with prices named at \$1.55 lb.

**Acid, Cleves**—Prices range from \$1.00@\$1.10 with demand showing improvement.

**Acid, Gamma**—Has been neglected but buying is soon expected to begin. Prices unchanged at \$1.70@\$1.80 lb.

**Acid, H**—Makers look for an active demand to begin during the next few weeks. Quotations are unchanged at 75c@80c lb.

**Acid, Neville & Winther's**—Fair inquiry and moderate sales at \$1.10 lb.

**Acid, Salicylic**—Technical moving quietly at 32c@33c lb.

**Alpha-naphthylamine**—Better movement noted with prices steady at 35c@37c lb.

**Aniline Oil**—Makers are holding firm at 16c@17c lb. according to quantity, the inside price being for carlots of drums. Practically none is obtainable lower prices or at resale.

**Beta-naphthol**—Buyers are becoming interested but no large buying has begun as yet. A sale of a carlot last week was reported the first in many weeks. Prices holding at 21c@23c lb.

**Benzidine**—Occasional sales being made on a basis of 80c@82c lb. as to seller and quantity.

**Diethylaniline**—Makers quoting 60c@65c lb. on quiet demand.

**Dimethylaniline**—Moving moderately at recent levels of 40c@42c lb. as to quantity. Recent reduction in methanol prices is expected to influence current prices shortly.

**Diphenylamine**—Unchanged at 48c@50c lb.

**Meta-phenylenediamine**—Quiet and unchanged at 96c@98c lb.

**Meta-toluylenediamine**—Fair demand and steady at 89c@90c lb.

**Nitrobenzene**—Demand has been somewhat routine and though a steady improvement is looked for. Prices holding at 9c@9½c lb. for crude and 9½c@10½c lb. for redistilled.

**Ortho-nitrotoluene**—Makers quoting higher prices following demand and increases in ortho-toluidine. Named at 11c lb.



**Ortho-toluidine**—Continues in active demand at recent higher prices. Makers are quoting 18c@19clb.

**Para-nitraniline**—Has been moving quite steadily at unchanged prices. Quoted at 74c@75clb.

**Para-nitrotoluol**—Quoted higher in some directions at 55clb.

**Para-toluidine**—Demand has shown improvement and prices are firmer. One maker has an advance of 5clb. Quoted at 89c@90clb.

**R-Salt**—Held at 55c@70clb. as to seller and quantity.

**Xylidine**—Unchanged with makers quoting 50clb.

#### FRENCH DYE SEIZURES OVER-ESTIMATED

Original reports of the amounts of dyes seized by the French in the Ruhr were too large, according to American Trade Commissioner F. E. Breithut in a report to the Department of Commerce. Information received from several sources, he reports, indicate that the net weight of the seized dyes was 5,400 tons instead of 6,500 tons as was first reported. Of the quantity Belgium and France will require 2,300 tons immediately for their own domestic consumption. The remaining 3,100 tons will be sold in the markets of the world. The French and Belgians are still negotiating as to what share each will receive and it appears likely that each will receive about fifty per cent. In connection with the report, Commissioner Breithut states that "it may be interesting to note that the Trade Commission sells about 2,500 tons of dyes per quarter."

The report also states that 1,150 tons of indigo was seized as follows: Indigo, 20%, 632 tons; same 100%, 119 tons; Indigo grains, 55 tons; and reduced Indigo about 350 tons. The balance of approximately 1,950 tons contains 350 tons of alizarine red, leaving a net balance of 1,600 tons.

Summit Dyeing Co., North Bergen, N. J., has obtained a building for the establishment of a branch in Toronto, Canada, and recently began operations with a staff of 25 employees under the general managership of Jacob Jackson. Dyeing artificial silk will be a specialty.

The British Board of Trade is now supplying the British Chemical and Dyestuff Trades' Association with lists of dyestuffs received recently from Germany as reparations, together with current selling prices.

Newport Chemical Works announce a new color, Newport Direct Fast Scarlet 8BA, a duplicate of Benzo Fast Scarlet of the same brand as imported prior to the war.

Charles C. Bussey, inventor of the Bussey process for low-temperature distillation of coal, died recently while visiting his family home in Winterport, Me.

Stocks of dyestuffs owned by Pennrich, Inc., New York, were damaged by fire at 284 West St., recently. Loss was covered by insurance.

German list prices of aniline colors have been doubled and are quoted on a gold mark basis, according to a cablegram from Berlin.

National Lead Co. will erect a five-story addition to its Brooklyn works. The cost is estimated at \$100,000, including equipment.

The Barrett Co., 40 Rector St., New York, will build a one-story structure at its Edgewater works, 50 x 100 ft.

Grasselli Chemical Co. will build a mixing plant and laboratory at Charlotte, N. C.

#### GERMAN DYE TRADE RECOVERING

##### Plants In Unoccupied Territory Working Day and Night to Make Up for Smaller Production In The Ruhr

The German coal-tar dye industry has been hit hard by the treaty of Versailles. Twenty-five per cent of the total current production must be delivered on account of reparations. It is claimed that up to January 10, 1922, there were delivered 7,150 tons, writes Frederick E. Breithut to the Department of Commerce. In accordance with a supplementary agreement the following quantities of dyes are also said to have been delivered:

	Metric tons
United States .....	40
Belgium .....	135
England .....	74
France .....	27
Italy .....	24

The production of dyes after the war reached a height of 80 per cent of the pre-war production. Because of the Ruhr occupation, the production has decreased considerably, and in June, 1923, it was estimated to be only 30 per cent of the pre-war production. The factories still are shipping goods abroad, but the new orders which are now being received can not, it is said, be executed, partly due to the seizures and occupations by the French and partly on account of the difficulties connected with the congested and disordered railway traffic in the Ruhr district. The considerable fluctuations in prices of raw materials and finished products also choke off the activities of enterprising manufacturers. It is stated in Berlin that even the demands of the buyers in the occupied district itself, which are not large, could not be satisfied at present.

Eighty per cent of the German dye industry is in the occupied district. One of the official export boards is in Berlin. A second board was located in Ems, near the centers of production. The Ems board controlled about 65 per cent of all exports against 35 per cent handled by the Berlin board. When the French took the Ruhr district under control, the export control board at Ems was taken over by them. The following table shows the German exports of coal-tar dyes during the first four months of 1923:

German Exports of Synthetic Coal-Tar Dyes, January-April, 1923  
(in metric tons)

	Jan.	Feb.	March	April	Total
Aniline dyes, n.e.s.....	3,361	3,229	2,958	2,552	12,200
Alizarine and alizarine dyes	185	180	232	53	650
Indigo .....	1,222	926	900	239	3,287
Indigoids (color lakes, etc.)	5	18	12	...	35
Total .....	4,773	4,462	4,102	2,844	16,181

The plants located in the unoccupied territory are at present working day and night (three shifts of eight hours) to make up for the smaller production in the Ruhr district.

Imports of alizarin dyes during June amounted to 30,776 pounds, valued at \$47,000. Germany sent 23,146 pounds of this amount. June imports of other colors, dyes or stains amounted to 210,410 pounds, valued at \$276,000. Imports of extracts were 488,537 pounds, valued at \$26,832.

A hearing on proposed changes in minimum carload weights for coal tar and asphalt will be held in New York, Oct. 2. Proposed increases on material shipped from New Orleans to points in the South have been suspended by the Interstate Commerce Commission until Jan. 5, 1924.

The Barrett Co., New York, has filed judgment for \$177.95 against Steffens-Braham Co., Inc.

## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 783

### CRUDE MENHADEN AND COD OILS ADVANCE

Unfavorable Catch Reports Keep Market Strong—Tallow Makes Further Advance—Linseed Oil Continues Quiet—Palm and Soya Bean Oils Higher—Turpentine and Rosin Advance

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Cod Oil, Newf'd'd, 2c gal.		Chinawood Oil, ¼c lb.	
Corn Oil, crude, ¼c lb.			
Cottonseed Oil, P.S.Y., ¼c lb.			
Greases, ¼c@½c lb.			
Menhaden, 2½c gal.			
Palm Oil, Lagos, ½c lb.			
Niger, ¼c lb.			
Advanced		Declined	
Oleo Oil, No. 1, ¼c lb.			
Palm Kernel Oil, ¼c lb.			
Soya Bean Oil, ¼c lb.			
Stearine, Oleo, ½c lb.			
Tallow, ¼c lb.			
Turpentine, 7c gal.			
Rosin, 5c@25c bbl.			
Trend of the Market		Declined	
Today	Last Week	Last Month	Year
Cod Oil, N. F. .... gal.	\$ .65	\$ .65	\$ .62
Degras, American, bbl. lb.	.03¾	.03¾	.03¾
Lard, No. 1. .... gal.	.86	.86	.79
Menhaden, crd., bbls. gal.	.42¾	.40	.40
Neatsfoot, 20 deg. c.t. gal.	1.22	1.22	1.31
Red Oil, distilled. .... lb.	.09¾	.09¾	.09¾
Stearic Acid, T.P. .... lb.	.14¾	.14¾	.14¾
Coconut, Ceylon, bbls. lb.	.10	.10	.09¾
Cottonseed, crude, tks. lb.	.10	.10	.07
Linseed, carlots. .... gal.	.90	.90	.97
Olive, denatured. .... gal.	1.10	1.10	1.12
Peanut, refined. .... lb.	.15	.15	.12½
Soya Bean, bbls. .... lb.	.11	.10¾	.10¾
Average .....	0.459	0.457	0.448
			0.441
			1.30
			0.362

Although trading was somewhat restricted during the week, demand was active enough, in view of the limited offerings of some products, to keep the market firm with an upward tendency. Cottonseed oil was somewhat irregular but opened this week with a slight net gain. Tallow continued in limited supply and sellers were higher in their views owing to a steady demand. Linseed oil has shown little change, with buyers still conservative in their purchases. Crushers were quoting higher prices for September delivery but were not firm at the figures asked. Palm oil supplies were meager and prices advanced as inquiries became more numerous. Soya bean oil has been in better demand and prices have responded with further advances. More interest has been displayed in corn oil, which, owing to limited offerings, is selling at higher levels. Coconut and olive oils were steady. Chinawood oil is easier. Crude menhaden oil rose sharply as the supply became unequal to present demands. Newfoundland cod oil also registered an advance as supplies became difficult to locate. Animal oils retained their firm tone with advances in a few items. Turpentine and rosin are higher.

#### Vegetable Oils

**Castor Oil**—Crushers steady with prices holding at 13½c. for No. 1 and 13c. for No. 3.

**Chinawood Oil**—Offerings are slightly better on spot and prices are easier with tanks named at 20½c. and barrels, 21½c@22c. Offerings from the Orient are small and shipment prices are firm at 21c@21½c. At the Coast Sept. forward shipments at 20c.

**Coconut Oil**—Prices remained steady with demand showing no further gains. Ceylon in tanks held at 8¾c@8½c. spot, and in barrels, 10c@10½c. Cochin tanks, 9½c@9½c. bbls., 10¾c@11c. Manila, in tanks, Coast, 8c@8½c.

**Cottonseed Oil**—Was somewhat irregular during the

past week owing to crop reports of more favorable character and strength in lard in the West. A net gain of 5 to 10 points was recorded during the week. P.S.Y. opened this week at 11.40 on spot and 11.30 for Sept.; April, 10.65@10.80. Interest in Nov. and March positions. Crude oil gained slightly with quotations at 10c@10½c.

**Corn Oil**—Supplies reported difficult to locate and prices advanced as demand increased. Crude oil held at 9¾c@10c. in tanks at mills and 12c. spot, N. Y. Refined oils are strong at 13c.

**Linseed Oil**—Buyers are still more interested in futures than spot oil and crushers are maintaining higher levels for futures. Spot oil is moving slowly at 90c per gallon in carlots. September named at 93c@95c in less cars. October, 86c; Nov. forward, 84c. London linseed oil, 42s. Antwerp, 382f. Flaxseed prices showed little change over the week. October Winnipeg opened the week at \$1.99½; Dec., \$1.86. Duluth, Sept., \$2.30½; Oct., \$2.30; Nov., \$2.30; Dec., \$2.27. Buenos Aires, \$1.91.

**Olive Oil**—Demand showed no increase and prices remained steady at recent levels. Denatured held at \$1.10@1.15 per gallon. Edible from \$1.70@2.20 as to grade. Olive oil foots were firm on limited stocks at 8½c. spot, and 8½c@8¾c. for shipment.

**Palm Oil**—Offerings have been somewhat limited while demand has been showing a steady increase. Sellers are higher in their views with Lagos at 7¾c@8c.; Niger, 7¾c.

**Peanut Oil**—Crude is practically off the market and refined is firm at 14½c@15c.

**Soya Bean Oil**—Demand has been gaining steadily and prices have reacted upward. Crude in tanks, N. Y., named at 9½c@9¾c.; bbls., 11c@11½c. At Coast in tanks, 9¾c@9½c.

#### Animal Oils

**Greases**—Higher for better grades with white, 10½c. lb.; yellow, 7¾c.; brown, 7c.; house, 7¾c.

**Lard Oil**—Unchanged in price with demand along steady lines. Edible prime, 16½c.; off prime, 13½c. lb.; extra, 12¾c.; extra No. 1, 12c.

**Neatsfoot Oil**—Prices continue firm on steady demand. Cold test, 20°, held at 16½c.; extra, 12c.; pure, 14¾c.

**Oleo Oil**—Market was slightly higher with No. 1 at 12½c@12¾c.; No. 1, 10c@10½c.; No. 3, 9¾c.

**Red Oil**—Prices are unchanged but the market is firm at 9¾c. in barrels and 9c. in tanks.

**Stearic Acid**—Increased cost of raw materials has strengthened the market but makers continue to quote triple pressed at 14¾c.; double pressed 13½c.; single, 13¼c.

#### Fish Oils

**Cod Oil**—Reports of small catches and difficulty in locating supplies have caused sellers to quote higher prices. Newfoundland is named at 68c per gallon though American cod oil is offered at 63c@65c per gallon.

**Menhaden Oil**—Sales have been made at 42½c per gallon and many sellers are holding out for 45c per gallon. Supplies are reported small and demand has been showing a steady increase. Refined oils are steady at 58c for light strained and 65c for yellow bleached.

**Sperm Oil**—Demand is along quiet and steady lines with prices unchanged; 38° on spot, 99c per gallon and 45° at 94c.

#### Naval Stores

**Turpentine**—Consumers have been showing more interest and prices rose quickly as demand increased. Spirits up to \$1.02. Savannah steady at 95c per gallon.

**Rosin**—In sympathy with turpentine prices gained as demand showed signs of improvement. Advances were from 5c@25c bbl. B to I, \$5.95; K, \$6.00; M, \$6.00; N, \$6.25; WG, \$6.50; WW, \$7.00.

The paint, pigment and varnish group recorded an increase of 96 per cent in July, 1923, over July, 1922, in exports, but a decrease of 21 per cent for imports. The aggregate value of \$254,125 for the total imports was only 15 per cent of the total exports. Although the imports amounting to 8,511,135 pounds, worth \$93,170 of mineral earth pigments exceeded the exports amounting to 2,449,862 pounds, worth \$75,328, those of chemical pigments were only one-seventh the exports which equalled 6,201,400 pounds, valued at \$851,769. One noticeable feature of the foreign sales of this group was the comparatively small shipment of lithopone, (136,050 pounds, valued at \$8,607), which were made in July, 1923. The exports of paints, stains, and enamels in July, 1923, were valued at \$546,167, while the imports were valued at but \$31,151.

Spanish olive harvest during 1922-23 season totaled 1,539,551 metric tons while the oil yield was 289,114 metric tons, according to a report of Consul F. A. Henry, Barcelona, to Department of Commerce. The next crop, which will be harvested during the closing months of this year and the first of next, is expected to be higher than that of 1922-23. Spain is now the greatest olive oil producing country in the world, its output amounting to about 50 per cent of the total. Increasing costs of cultivation and currency depreciation in other oil exporting countries have had a depressing effect on Spanish oil exports.

Naval stores, gums and resins expanded 55 per cent for outward and 24 per cent for inward trade in July, rising from an aggregate value of \$1,845,649 in July, 1922, to \$2,878,194 in July, 1923, for naval stores, and from \$1,981,366 to \$2,461,100 for gums and resins. Foreign sales of rosin in July, 1923, amounted to 110,945 barrels, valued at \$991,025; of spirits of turpentine, 1,718,099 gallons, valued at \$1,703,122 and wood turpentine, 72,680 gallons, valued at \$74,699. Receipts of varnish gums in July 1923, were 7,028,002 pounds, valued at \$1,816,235, of which amount 2,175,202 pounds, valued at \$1,220,958 were shellac.

Meteor Products Co., New York, announces the addition of Theodore Deutz, formerly of Scott, Libby & Co., and Katzenbach & Bulloch, New York. Mr. Deutz will have charge of a new department of dry colors and pigments for Meteor Products Co.

Sherwin-Williams, Ltd., has declared the regular quarterly dividends of 1½ per cent on the common and 1¼ per cent on the preferred stocks, payable Oct. 1 to holders of record Sept. 15.

The linseed oil plant of B. P. Bisbee & Co., Philadelphia, was damaged by fire on Sept. 12. Loss not estimated.

Frohlics Glass Co., Detroit, has been prohibited from using "U. S. Quality Paint" on its labels.

United Varnish Co. has entered judgment for \$100.20 against Samuel Shafer, New York.

#### COTTON OIL OUTPUT INCREASES

During the period, Aug. 1, 1922, to July 31, 1923, 3,244,960 tons of cottonseed were received at the cotton oil mills of the country, compared with 2,923,658 tons received during the previous cotton year. From Aug. 1, 1922 to July 31, 1923, 3,241,464 tons of seed were crushed compared with 3,077,717 tons crushed during the previous twelve months. The quantity of seed reported on hand at the mills July 31 was 12,032 tons compared with 13,168 tons July 31, 1922.

#### Cottonseed Products Manufactured and Shipped

Item	Season	Produced August 1 to July 31	Shipped August 1 to July 31
Crude oil (lbs.).....	1922-3	1,003,025,212	1,003,650,205
	1921-2	930,474,738	935,907,062
Refined oil (lbs.) .....	1922-3	910,539,168	.....
	1921-2	839,898,417	.....
Cake and meal (tons) .....	1922-3	1,486,861	1,503,603
	1921-2	1,354,604	1,323,992

Exports of cottonseed oil for twelve months ended July 31, 1923, amounted to 64,469,273 pounds compared with 85,992,501 pounds exported in 1922; cake and meal exports were 226,584 tons compared with 252,925 tons in 1922.

#### PAINT PRODUCTION INCREASES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 19.—Paste paints, produced during the six-months period Jan. 1 to June 30, amounted to 247,154,400 pounds (comprising white lead in oil, 149,636,700 pounds, zinc oxide in oil, 12,115,100 pounds, and other paste paints, 85,402,600 pounds), 43,719,200 gallons of ready-mixed and semi-paste paints, and 37,882,200 gallons of varnishes, japans and lacquers; an increase of 18.5 per cent in paste paints over the production for the same period of 1922 (first half); 34 per cent in the production of ready-mixed and semi-paste paints; and 41.2 per cent in the production of varnishes, japans and lacquers, according to the Census Bureau.

The returns are based upon reports from 441 establishments, of which 136 reported the manufacture of white lead in oil, 148 the manufacture of zinc oxide in oil; 287 the manufacture of other paste paints; 368 the manufacture of ready-mixed paints; and 283 the manufacture of varnishes, japans and lacquers.

#### OLIVE OIL PRICES DECLINE IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, Sept. 9.—A decline has occurred in the price of all olive oils. Quotations are as follows per 100 kilos: Riviera Ponente fine, lire 750 to 820; Bari extra, lire 710 to 715; Bitonto extra vecchio, lire 725 to 735; Molfetta extra, lire 725 to 735; Calabria extra, lire 700 to 705; Sardegna fine, lire 700 to 720; Toscana fine, lire 700 to 710; Abruzzi fine, lire 690 to 710; refined olive oil, lire 680 to 690.

Quotations for foreign olive oils c. i. f. Genoa are as follows per 100 kilos: Tortosa olive oil, pesetas 220 to 225; Aragon olive oil, pesetas 220 to 225; Borjas olive oil, pesetas 215 to 220; Andalusian olive oil, pesetas 210 to 215; Malaga olive oil, pesetas 190 to 195; Tunis olive oil, first quality, francs 525 to 530; second quality, francs 485 to 500.

The Paint, Oil and Varnish Club of New York held its first meeting of the 1923-24 season Thursday evening, Sept. 13, at the Hotel Biltmore. John E. Edgerton, president of the National Association of Manufacturers was the principal speaker.

DeVoe & Reynolds, has declared a quarterly dividend of \$1.75 on first preferred stock, payable Oct. 1 to stock of record Sept. 15.



## The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 764

### POTASH PERMANGANATE HIGHER ON SPOT

Holders Feeling Out Market—Santonin Offered on Spot  
—Alcohol Active—Antipyrine Lower—Camphor Eased  
Off—Trading Light in Menthol—Mercury Lower—  
Podophyllin Firm—Resale Caffeine, \$3.65lb.

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Hydroquinone, 15c lb.	<b>Advanced</b> Potassium Permanganate, 1/4c lb.
	<b>Declined</b>
Antipyrine, 5c lb.	
Camphor, Jap. slabs, 2c lb.	
Mercury, \$1.00 flask	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	\$3.32	\$3.32	\$3.32	\$3.30	\$2.00	\$3.20
Acid Citric, Import.....	.49	.49	.50 1/4	.48	1.25	.45
Caffeine Alkaloid .....	4.00	4.00	3.65	3.75	18.00	3.65
Calomel, American .....	1.25	1.25	1.25	1.00	3.43	.90
Camphor, Jap., ref.....	.88	.91	.85	.83	3.55	.41
Iodine, Resublimed .....	4.55	4.55	4.55	4.40	8.00	3.75
Menthol .....	17.50	17.50	9.65	6.25	18.50	3.00
Potassium Bromide, Cryst.	.26	.26	.26	.23	4.50	.30
Quinine Sulfate, Imp.....	.50	.50	.49	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.36	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	.76	2.05	.50
Average .....	2.82	2.82	2.07	1.69	5.92	1.56

A tendency toward stabilized values has appeared in the fine chemical market. However, shading is still prevalent owing to weakly held stocks in outside hands. The effect of the Japanese disaster has not been so far reaching as earlier reports seemed to indicate. Prices of Japanese products have receded and are now about the same as before the catastrophe with the exception of menthol. The trend of menthol prices depends upon whether or not the stocks in Yokohama were destroyed. Lower prices for Japanese products may follow owing to the reduced ability of holders to borrow from the banks, according to advices in the trade. Such a situation would mean more abundant supplies. The recent general advance in European exchange rates has firmed up quotations for shipments and tended to cause holders of spot stocks to consider replacements. Among leading factors in medicinal chemicals, better buying was evidenced. A tendency of buyers to pay the price up to a limited extent, the small fluctuations on spot, and a hardening of prices at current levels, all indicate a firm situation. Cheap lots of antipyrine are available. A fifty-cent market for alcohol is predicted in the trade. Japanese camphor is lower. Menthol is quiet though firm. Potassium permanganate is higher.

**Acetanilid**—Makers are unchanged at 32c@33c lb. spot for U.S.P., and resales available in good supply at 31c lb. spot.

**Acid, Acetylsalicylic**—Demand has improved with makers quoting 75c lb. spot and outside hands naming 72 1/2 c lb. spot. One factor in the trade expects inquiry to be active in the near future.

**Acid, Benzoic**—U.S.P. is quoted easy at 70c@77c lb. as to seller and quantity.

**Acid, Citric**—Imported quoted easy at 49c@50c lb. spot with possibilities of shading this price owing to lateness of season and desire of holders to turn over stocks. Little goods are coming forward due to high cost of import. Imports into United States during July were 33,600 pounds, valued at \$11,536, and for seven months

ended July 31, 624,847 pounds, valued at \$195,758. Imports of citrate of lime during seven months ended July 31 were 186,874 pounds, valued at \$22,686, compared with 15,093,786 pounds, valued at \$2,108,832 in 1922. Domestic named at 49c@50c lb. spot. Last week saw 300 cases of citrate of magnesia, entered at New York.

**Acid, Diethylbarbituric**—Imported quoted easy at \$4.00 lb. spot with possibility of doing \$3.75 lb. on firm business. The expected change in duty has not as yet materialized.

**Acid, Salicylic**—U.S.P. quoted at 35c lb. spot by makers with limited quantities of resales at 34c lb. spot. Sales reported along routine lines only. One of the factors in the trade predicts a lower market for phenol, which will probably affect this item.

**Acid, Tartaric**—Imported quoted easy at 33c@34c lb. spot with tendency for accumulation of stocks. Imports during July were 280,000 pounds, valued at \$66,520, and for seven months ended July 31, 1,203,644 pounds, valued at \$296,805. Domestic named at 36c lb. spot.

**Alcohol**—Quoted firm at 42c@44c gal. for specially denatured in drums, and 40c@42c gal. for No. 5 completely denatured in drums and 40c@42c gal. for No. 6 completely denatured in drums, with possibilities of higher prices. One factor in the trade predicts 50c alcohol within the near future.

**Amidopyrine**—Quoted dull at \$4.50@4.75 lb. spot.

**Anthraquinone**—Named at \$1.30@1.35 lb. spot as to quantity.

**Antipyrine**—Generally quoted at \$2.35@2.50 lb. spot with sales of outside stocks made as low as \$2.25 lb. spot. Market is feeling the effects of weak outside holders. During past week 5 cases were entered at New York.

**Bismuth Subnitrate**—Second hands quoted inside at \$2.80 lb. spot and makers at \$2.90 lb.

**Caffeine Alkaloid**—Although makers advanced price to \$4.00 lb. last week, limited resale material is obtainable at \$3.65 lb. spot.

**Camphor**—Japanese has declined and now quoted at 88c@89c lb. for 2 1/2 lb. slabs. First of the week 90c lb. was paid, but toward close market eased off. This item is reported to be little affected if any by the disaster in Japan. Domestic in active demand, and rumors were heard of an advance, but this could not be confirmed. Unchanged at 93c lb. spot for barrels. Last week saw 550 cases entered at New York from China and Japan.

**Cod Liver Oil**—Business is reported to be at a standstill in primary market. Activity on spot is also at a minimum. Quoted at \$24.00@25.00 bbl. for Norwegian. During past week 652 barrels were entered at New York.

**Formaldehyde**—Quoted easy at 13c lb. for c/1 by makers. Second hands naming 12 1/2 c lb. spot.

**Glycerin**—Spot C.P. quoted firm though quiet at 17c @17 1/4 c lb. spot in drums. Sales are reported small with refiners playing waiting game. Dynamite at 16c@16 1/4 c lb. Imports during July were 1,133,933 pounds, valued at \$114,675, and for seven months ended July 31, 11,328,362 pounds, valued at \$1,153,459, compared with 403,987 pounds, valued at \$31,592 in 1922.

**Hydroquinone**—Quoted higher at \$1.40@1.50 lb. spot as to quantity owing to increased cost of manufacture.



**Menthol**—Spot quoted at \$17.50@18.00lb. for cases with sales made between dealers as low as \$16.50lb. One of the largest operators is reported to have withdrawn quotations, but another source states that he is selling secretly. No definite news has been received from Yokohama in regard to stocks, which were held there.

**Mercury**—Lower at \$60.50@\$61.00 flask owing to small demand and easy offerings from London. The uprising in Spain does not appear to have affected the spot market. One factor stated that lower prices were expected, followed by a gradual hardening process that will carry well into the first of the year.

**Podophyllin**—Quoted firm at \$5.65@\$6.00lb. spot with possibilities of a firm market due to high prices of raw material.

**Potassium Permanganate**—Higher at 18c@19c/lb. spot owing to tendency of holders to see if consumers will pay the price quoted. Little new material has been imported recently. Domestic named at 17c@17½c/lb. works as to quantity.

**Santonin**—Limited amount is being offered at \$150@ \$155lb. spot.

Editorial offices of "Standard Remedies," have been moved from Chicago to Suite 423 Star Building, Washington, D. C.

PHARMACEUTICALS GERMANY MAY SELL

(Continued from Page 740)

Product	Production in grams	Price per kilo in paper marks	Price per kilo in gold marks	Product	Production in grams	Price per kilo in paper marks	Price per kilo in gold marks
Luminal-Natrium.....	240,860	1,716,960	70.94	0.6 gr.			
Lyceol.....	55,100	2,940,000	121.60	(Dos. IV)		2,800	0.12
Lytophan.....	48,500	320,000	13.23	0.75 gr.			
*Magnesium salicylat.....	81,380	60,000	2.48	(Dos. V)		3,150	0.13
Medinal.....	26,080	518,800	21.44	0.9 gr.			
Methylacetanilid.....	20,000	786,000	32.45	(Dos. VI)		3,500	0.14
Methylidintr. arsenat.....	222,200	125,000	5.17	1.5 gr.			
*Methylenchlorid.....	2,164	39,000	1.61	(Dos. X)		4,900	0.20
		per 100 gms.	per 100 gms.	3.0 gr.			
Methylumsalicylic.....	2,404,000	71,500	2.96	(Dos. XX)		8,340	0.34
Migraenin.....	65,800	504,200	20.84	4.5 gr.			
*Mitgal (in flasks of about 150 grams).....	1,446,000	6,000	0.25	(Dos. XXX)		11,775	0.49
Naphtol beta med. cryst.....	106,000	70,000	2.89		11,000		
Naphtol beta benzoic lev.....	663,000	60,000	2.48	0.05 gr.			
*Natrium arsenic.....	18,000	2,485,000	102.71	(5 centi)		1,650	0.07
Natrium salicyl. cryst.....	3,202,000	53,200	2.70	0.1 gr.			
Natrium salicyl. pulv.....	4,120,000	52,200	2.16	(10 centi)		1,860	0.08
*Neobornival (in cartons of 25 pills).....	150,000	28,374	1.17	0.15 gr.			
Neohexal.....	284,500	53,260	2.20	(15 centi)		2,070	0.09
		per hg.	per hg.	0.2 gr.			
*Neohexal in tablets in tubes of 20 x 0.5 gm.....	370,000	8,139	0.34	(20 centi)		2,280	0.09
*Neucesol (in tubes of 10 tablets, at 0.8 gm.).....	9,664	2,500	0.10	0.25 gr.			
*Neuronal.....	32,600	756,000	31.25	(25 centi)		2,490	0.10
*Nirvanol.....	51,500	1,051,600	43.47	0.3 gr.			
Novatophan.....	78,188	202,840	8.38	(30 centi)		2,700	0.11
Noviform.....	327,000	211,850	9.76		930,700	620,000	25.62
*Optarson (in cartons of 12 ampoules at 1.2 cm.).....	240,000	6,200	0.26	Pyrenol.....	150,000	221,000	9.13
Orexin chem. pur.....	80,900	430,000	17.77	Pyramidon.....	7,834,068	1,064,000	41.50
Orphol.....	117,000	303,920	12.56	*Pyrazolonphenyldimethylc.	3,232	1,209,500	49.99
Orthoform.....	115,700	1,620,000	66.96	codein citr.....	65,952	480,000	19.84
*Paracodin bitart.....	3,000	6,750,000	279.00	Resorcin recryst. Ph. G. V.....	1,833,000	70,500	2.91
*Parafom.....	687,148	50,000	2.07	*Saliformin.....	6,500	165,000	6.82
Paraldehyde puriss.....	1,668,000	24,140	1.00	*Salitum pur.....	334,000	54,300	2.24
*Paramorphan.....	200	7,500,000	310.00	*Santyl (in flasks of 25 grams).....	15,000	2,900,000	119.67
Phenacetin.....	6,148,500	1,491,183	6.17			per 100 flasks	per 100 flasks
Phenolphthalin.....	2,629,000	190,000	7.85	*Salistren (in flasks of about 30 grams).....	154,000	6,800	0.28
Phenylsalicylat.....	900,000	75,200	3.11	*Solaeethin.....	52,000	19,250	0.80
Piperazin.....	46,296	1,698,050	70.19	*Styran liq. artif.....	807,000	60,000	2.48
Neo-Salvarian.....	588,000			*Sublamin.....	12,048	203,860	8.43
cont. per amp.....	0.045 gr.	1,520	0.06	Hydrarg. sozojodolic.....	3,200	1,252,000	51.75
	0.075 gr.	1,590	0.07	Kalium sozojodolic.....	1,960	1,160,000	47.95
	0.15 gr.			Natrium sozojodolic.....	10,348	1,170,000	48.36
(Dos. I)		1,750	0.07	Zincum sozojodolic.....	4,900	1,236,000	50.84
0.3 gr.				*Suprarenin boric synth.....	630.4	120,000,000	4959.94
(Dos. II)		2,100	0.09	Sulfonal.....	37.6	92,400,000	3819.15
0.45 gr.				Tannigen.....	150,000	642,600	26.56
(Dos. III)		2,450	0.10	Tannin diacetyl.....	346,000	450,000	18.60
0.6 gr.				Tannismut.....	20,000	892,000	36.87
(Dos. IV)		2,800	0.12	Tannoform.....	108,000	170,600	7.05
0.75 gr.				Theobromin.....	208,000	75,000	3.10
(Dos. V)		3,150	0.13	Theobromin natr. salicylat.....	613,000		31.00
0.9 gr.				*Thioleinsulfosaur Natron-Isung.....	650,300		20.50
(Dos. VI)		3,500	0.14	Isung.....	202,000	47,500	1.96
1.5 gr.				*Tonophosphan in ampoules (cartons of 20 amps. of 1 gr.).....	4,500	6,000	0.25
(Dos. X)		4,900	0.20	*Trigemin.....	32,688	432,000	17.86
3.0 gr.				*Trikesol.....	130,752	20,000	0.83
(Dos. XX)		8,340	0.34	*Trioxymethylen.....	3,903,000	60,000	2.48
4.6 gr.				Tropaeocin hydrochl.....	4,044	624,800	25.82
(Dos. XXX)		11,775	0.49			per 100 gms.	per 100 gms.
Neosilbersalvarian.....	19,256			*Triptavin.....	25,000	513,000	21.20
cont. per amp.....	0.1 gr.	1,750	0.07	Triptavin pro injekt.....	50,000	640,000	26.45
	0.2 gr.	2,100	0.09	Tumenol ammon.....	283,600	38,600	15.95
	0.3 gr.	2,450	0.10	Tumenol oil.....	16,500	709,600	29.33
	0.4 gr.	2,800	0.12	Urotropin.....	480,100	245,120	10.13
	0.45 gr.	3,000	0.12	*Urol in tablets (in tubes of 10 tablets).....	160	3,375	0.14
Salvarian-Natrium.....	160,000			*Valamin.....	90,000	495,000	20.46
cont. per amp.....	0.045 gr.	1,520	0.06	Validol.....	155,000		
	0.075 gr.	1,590	0.07	In flasks of 5 gr.....		1,120,000	46.29
	0.15 gr.			In flasks of 10 gr.....		1,062,000	43.90
(Dos. I)		1,750	0.07	In flasks of 25 gr.....		1,026,400	42.42
0.3 gr.				In flasks of 50 gr.....		1,014,600	41.94
(Dos. II)		2,100	0.09	In flasks of 100 gr.....		1,008,500	41.68
0.43 gr.				Veronal.....	731,300	609,250	21.05
(Dos. III)		2,450	0.10	Veronal-Natrium.....	491,700	509,250	21.05
				Zincum sulfophenylic.....	341,300	30,000	1.24

## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 783

### AGAR AGAR AND DUTCH CARAWAY HIGHER

Scarcity and Short Sellers Force Market Up—Insect Powder Easier—Oregon Fir Balsam Lower—Cascara Sagrada Firm—Elm Bark Active—Ergot Lower—Spanish Saffron Active—Levant Wormseed Off Market

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced					
Agar Agar, No. 1, 15c lb.			Celery Seed, 1c lb.		
Caraway Seed, Dutch, 4c lb.			Ipecac Root, Cart., 5c lb.		
			Peppery Seed, 5c lb.		
Declined					
Aniseed, Spanish, 2c lb.			Ergot, 3c lb.		
Balsam, Oregon Fir, 10c lb.			Japan Wax, 5c lb.		
Trend of the Market					
	Today	Last	Last	War	Pre-
	Week	Month	Year	Peak	War
Aconite Root, U.S.P.....	\$.50	\$.50	\$.23	\$.90	\$.12
Buchu Leaves, Short.....	.90	.90	.95	4.00	.85
Cantharides, Russian.....	1.75	1.75	3.50	9.00	2.10
Cocculus Indicus.....	.03½	.03½	.03½	.85	.03
Ergot, Spanish.....	.40	.51	.78	4.50	.54
Insect Powder, pure.....	.60	.62	.55	1.00	.28
Ipecac, Cartagena, powd.....	1.90	1.90	1.80	4.50	1.35
Nux Vomica.....	.06½	.06½	.07	.14½	.07
Opium, gum.....	8.00	8.00	6.00	30.00	5.00
Rhubarb Root, H. D.....	.40	.40	.48	1.75	.15
Tragacanth, No. 1, ribbon.....	1.48	1.48	1.75	6.00	1.50
Wild Cherry Bk., thin nat.....	.11	.11	.10½	.21	.07
Average.....	1.34	1.35	1.35	5.28	1.00

The feature of the crude drug market during the week has been the gradual hardening of spot prices, especially domestic botanicals and foreign seeds. Few houses are able to quote on the entire list of drugs owing to small stocks and also to withdrawal of offerings until more definite information can be obtained on replacements. They hold to the policy that a certain amount of goods must be held back in order to meet requirements of contracts. A settlement of the Franco-German situation will tend to increase Europe's buying power, thereby causing advances on spot due to keener competition between countries to buy foreign offerings. Conditions in the Northwest are such that offerings are still limited and prices well maintained. Reports are heard from the South that collections are nearing an end, and that when the final checking up is made, items of the cheaper variety will be found in the minority. The refusal of buyers to cover themselves for a lengthy period is now beginning to be felt to a certain extent in this market. With stocks on hand becoming reduced, and with prices as a whole showing a tendency to resist pressure, a firm market can be expected from now on, according to the trade.

**Aconite Root**—Spot stocks are said to be none too plentiful at 50c lb.

**Agar Agar**—All grades have advanced and quotations are \$1.85@1.90 lb. spot for No. 1, and \$1.65@1.75 lb. for No. 3 with the possibility of obtaining outside stocks at slightly lower prices. With Yokohama agar agar practically out of the market and China in normal times using about 60 per cent of the total Japanese exports, high prices on spot are explained.

**Althea Root**—Quoted firm and in good demand at 25c @28c lb. spot. Supplies reported limited.

**Anise Seed**—Spanish has declined and is now quoted at 19c@20c lb. spot owing to recent arrivals, which are said to be in fair quantities. Reports are heard that 17c lb.

is being quoted, but this has not as yet been confirmed. Star named at 13c@14c lb. spot.

**Arabic Gum**—Amber sorts are quiet at 13½c@14c lb. spot with a tendency to shade this figure on firm business.

**Balsams**—Oregon fir quoted lower at \$2.60@\$2.70 gal spot owing to better supplies being offered. Tolu scarce at \$2.25 lb. spot with a limited amount available at \$2.15 lb. spot. Exports from Salvador during 1922 were 52,651 kilos, valued at \$215,870, compared with 51,023 kilos, valued at \$187,253 in 1921. During past year United States received 40,130 kilos; Germany, 9,511; France, 1,751; and England, 1,259 kilos.

**Belladonna Leaves**—Quoted steady at 18c@19c lb. spot.

**Blackhaw Bark**—Root named firm at 40c@42c lb. spot with replacements scarce.

**Buchu Leaves**—Activity reported at a minimum at 90c@95c lb. spot with possibility of shading this figure.

**Calabar Beans**—Dull at 15c@18c lb. spot.

**Canary Seed**—Quoted higher at 5½c@6c lb. spot owing to higher cost of replacements.

**Caraway Seed**—Dutch sharply higher at 27c@28c lb. spot owing to increased demand, which is the result of short sales. Reports came from primary market some time ago that new crop would be ample, but now nobody seems able to gather the facts about the actual conditions in Holland. During the week 150 bags were imported at New York.

**Cascara Sagrada**—Offerings are still restricted on spot at 18c@20c lb. for old bark, and 17c@18c lb. for new bark. Reports are heard that collectors of the bark have to compete for labor with lumber mills, which pay up to \$9.00 a day. London is quoting to arrive at 80s per 100 pounds c.i.f.

**Celery Seed**—Has advanced and now quoted at 21c@22c lb. spot owing to higher replacement cost. Spot supplies none too plentiful.

**Cinchona Bark**—Quills quoted at 45c@50c lb. spot, and broken in good demand at 24c@25c lb. spot. Production in Java for 1923 is estimated at 7,220,233 kilos, according to Department of Agriculture, Buitenzorg. Production ended April 30 was 2,336,254 kilos.

**Clover Tops**—Quoted firm at 25c@27c lb. spot.

**Cloves**—Zanzibar easier at 30c@31c lb. spot.

**Dandelion Root**—Scarce and firm at 21c@23c lb. spot.

**Elm Bark**—Select supplies available at 28c lb. spot, but one factor has increased price and now holds at 35c lb. Cheap lots are expected to be readily absorbed by the increase in inquiries.

**Ergot**—Lower on spot at 40c@41c lb.

**Golden Seal Root**—Offerings are taken up as soon as they are made. Quoted at \$3.75@\$3.85 lb. spot for whole and \$3.90@\$4.00 lb. for powdered.

**Insect Powder**—Spot goods obtainable at 60c@62c lb. with some factors holding to 65c lb. inside. Trading light.

**Ipecac Root**—Cartagena higher at \$1.80@\$1.85 lb. spot.

**Japan Wax**—Quoted at 17½c@19½c lb. spot as to seller and quantity. Reports are heard that the Japanese Government has placed an embargo on this item until December. The trade thinks that the wax is being used

in Yokohama, as the lighting facilities no doubt have been destroyed.

**Olibanum Gum**—Active at 9c@9¼clb. spot for siftings.

**Poppy Seed**—Higher at 11c@11½clb. spot.

**Saffron Flowers**—American quoted at \$1.05@1.15lb. spot with some houses holding to maximum as inside. Good inquiry has been reported for Spanish goods at \$36.00@37.00lb. spot. Near arrivals have been sold at \$35.00lb.

**Sarsaparilla Root**—Mexican weak at 28c@29clb. spot. Honduras unchanged at 61c@65clb.

**Sassafras Bark**—Select firm at 28c@29clb. spot.

**Senega Bark**—Quoted lower though firm at 60c@65c lb. spot.

**Turmeric Root**—Madras quoted steady at 10¼c@11clb. spot.

**Wormseed**—American named easy at 9c@10clb. spot, and Levant nominally at \$3.50@3.75lb. spot. Arrivals are expected in near future.

#### N.W.D.A. COMPLETES CONVENTION PLANS

The National Wholesale Druggists' Association has completed arrangements for official trains to Cleveland, O., for members attending the annual meeting, Oct. 8 to 12. The Lake Shore Limited leaves Grand Central Station, New York, Saturday, Oct. 6, at 6:30 p.m. Eastern standard time, and will arrive at Cleveland at 8:20 a.m., Sunday, Oct. 7. Trains have been arranged for Boston, Philadelphia, Baltimore, Washington, Chicago, Northwest, St. Louis and Southwest delegates. The program provides for the following business sessions:

First Session, Monday, Oct. 8, 9:30 A.M., President's address; Treasurer's report; Secretary's report; report of National Council to Chamber of Commerce; report of Delegates to National Drug Trade Conference; reports of Committee on Arrangements and Entertainment—A. H. Van Gorder. Drug Market—F. J. McDonough. Employer's Liability and Workmen's Compensation—H. D. Cowan. Trade Marks—William McKinney. Local Associations—H. D. Faxon. Memorials of Deceased Members—H. J. Schnell. Appointment of Special Committees on Auditing Treasurer's Report, Nominations, Time and Place of Next Meeting.

Monday Evening, October 8, 10 P.M., Joint Meeting Senior Council and Board of Control.

Second Session, Tuesday Morning, Oct. 9, 9 A.M., Report of Committees on Membership—John W. Durr. Metric Weights and Measures—Dr. W. J. Scheffelin. Merchant Marine—H. H. Robinson. Credits and Collections—M. E. Sherman. Salesmen and Selling Methods—William Ochse. Paints, Oils and Glass—George A. Chandler. Prize Essay Contest—L. J. Bertoli.

Tuesday Afternoon, Oct. 9, 2:30 P.M., Informal meeting of Wholesale Druggists only.

Third Session, Wednesday Morning, Oct. 10, 9 A.M., Reports of Committees on Fire Insurance—Carl F. G. Meyer. Quality of Medicinal Products—L. V. S. Hillier. Proprietary Goods—G. B. Moxley. Legislation—Open Forum on National legislative problems led by W. L. Crounse, Washington, representative National Wholesale Druggists' Association—C. Mahlon Kline. Reports of Special Committee on Price Maintenance Problems—W. A. Hover. Report of Special Committee on Prohibition Problems—Dr. William Jay Scheffelin.

Wednesday Evening, 8:00 P.M., Informal meeting of Wholesale Druggists only.

Fourth Session, Thursday Morning, Oct. 11, 9 A.M., Reports of Committees on Auditing, Nominations, Transportation, Time and Place of next Meeting, President's Address, Election of Officers. Appointment of Committee on Thanks. Reports of Board of Control on Resolutions, Official Reports, Committee Reports. Installation of Officers.

Attorney General Daugherty, in an opinion submitted to President Coolidge, holds that the navy cannot be used in enforcing prohibition without authority of Congress. While mention is made of the army in this opinion, it was generally considered here to-night that this ruling outlaws in advance the proposed request of the dries that the army be used to police the Canadian and Mexican borders to prevent the running in of liquor in automobiles.

Stocks of ammonium phosphate owned by Bengal Trading Co., New York, were damaged by fire at 221 Bay st., Brooklyn, recently. Loss was covered by insurance.

#### HAYNES DENIES RESIGNATION RUMOR

Prohibition Commissioner to Hold on in Spite of Friction With Mellon and Blair

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 19—Persistent rumors are current here that Prohibition Commissioner Roy A. Haynes, will be asked to resign, because of the failure of his bureau to enforce prohibition and because of his apparent antagonism to industrial alcohol interests. It is stated on good authority also, that Mr. Haynes, would be glad to run for Governor of Ohio, and if it were possible for him to get the nomination in the Spring he would most certainly resign his present position. Mr. Haynes, however, denies that he has any intention of resigning, at present.

Secretary of the Treasury, Mellon takes a very different attitude on the liquor question from that of his Commissioner of Prohibition. The Secretary feels that the department's attitude toward medicinal liquor should be much broader than it is at present. There is undoubtedly friction between the Secretary of the Treasury and Mr. Haynes, as between the Commissioner of Internal Revenue, Mr. Blair, and Mr. Haynes, but the real question is whether or not that friction is of sufficient seriousness to warrant the President's asking for his resignation. To offset Mr. Haynes' attitude, Commissioner Blair appointed an industrial alcohol committee to advise with him on that subject, composed of leading men in the industry.

President Coolidge said, last week, if there was anything in the air in connection with the resignation of the Prohibition Commissioner, he knew nothing about it. In answering a question by a newspaper correspondent, he made a frank statement that he was not considering asking for Mr. Haynes' resignation. Officials of the Treasury Department, also, who are in closest touch with the situation, while admitting that there is much friction because of the attitude of Mr. Haynes, seem to be of the opinion that that friction is not sufficient to cause his resignation.

#### HOSHI CO.'S TOKYO OFFICE DESTROYED

Vietor & Hosken, New York, importers of pharmaceuticals, say that the Tokyo office of the Hoshi Pharmaceutical Co. was completely destroyed. No definite information has been received concerning the plant, which is located twenty miles outside of the city, but it is believed that it escaped damage. The Hoshi Company is one of the largest manufacturers of quinine, and has plants located at Kobe, Osaka, and other important cities of Japan. At Yokohama the company has an agency to direct exports of their products from the Tokyo plant.

#### DUTY STANDS ON NEO-SALVARSAN

Neo-salvarsan will remain dutiable under Paragraph 28, Tariff Act of 1922, according to a decision of the Board of Appraisers, New York. The finding of the board follows:—"Imported neo-salvarsan is a coal-tar product, which is similar to and competitive with the domestic product of the same name in that it accomplishes results substantially equal to those accomplished by the domestic product when used in substantially the same manner. The appraiser, therefore, correctly based his valuation on the American selling price of the domestic product, as required by Paragraph 28, Tariff Act of 1922."

Francis A. Cundill, camphor and menthol importer, New York, returned recently from a vacation in the Canadian woods.



## The Essential Oil Market

Current Spot Quotations of Essential Oils, 788; Aromatic Chemicals, 789

### BERGAMOT AND CARAWAY HIGHER ON SPOT

Owing to Higher Shipment Figures—Oil Citronella Easy—Oil Eucalyptus Firm—Oil Orange Lower and Lemon Weak—Oil Peppermint Active—Oil Wormseed Lower—Terpineol in Good Demand—Balsam Tolu Scarce

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Bergamot, Coppers, 5c lb.	Oil Caraway, 50c lb.
Declined	
Oil Anise, U.S.P., 2c lb.	Oil Orange, West Ind., 5c lb.
Oil Geranium, Turkish, 25c lb.	Italian, 10c lb.
Oil Limes, Exp., 10c lb.	Oil Sassafras, Artif., drums, 1c lb.
	Oil Wormseed, 25c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$2.65	\$2.60	\$2.65	\$3.60	\$7.00	\$5.00
Oil Citronella, Ceylon....	.60	.60	.71	.60	.93	.60
Oil Cloves .....	2.10	2.10	2.20	2.30	3.70	1.40
Oil Lemon, Italian.....	.70	.70	.75	.70	1.70	2.00
Oil Peppermint, Nat.....	3.15	3.15	2.60	3.00	9.00	2.25
Oil Sandalwood, E. I.....	7.35	7.35	7.65	6.75	13.00	5.25
Oil Sassafras, Artif.....	.40	.44	.45	.42	1.00	.26
Benzaldehyde, U.S.P. ....	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin .....	4.50	4.50	4.50	3.30	31.00	3.10
Methyl Salicylate, Cans...	.47	.47	.47	.41	1.00	.50
Vanillin .....	.40	.40	.40	.45	.95	.29
Average .....	2.19	2.19	2.18	2.12	6.83	2.05

Increased activity during the past week has been noted in the essential oil market. The total volume of business transacted during the Summer has been fully up to normal, and from some directions reports are heard that business has been the best they had seen for a long time. However, the spirit of caution is still prevalent and buyers with few exceptions are not taking on stock unless they can see a ready outlet. The fact that forward buying is light, coupled with the fact that consumption of seasonal goods has been fair, gives a certain amount of assurance to the sellers that stocks must be constantly replenished. The low levels to which most of the essential oil list has dropped, do not appear to be fully appreciated by the consuming trades. Prices display variable movements, but the average tends to show an undercurrent of strength. Messina essences are both weak on spot and for shipment. The trade awaits developments in regard to the Spanish situation with respect to essential oils. Goods coming from that country fluctuate over a wide range due to the variation of quality, thereby making it difficult to note change in prices. Oil bergamot is higher for shipment. Oil caraway is scarce on spot. Oil sassafras is reported off the market. Oils peppermint and eucalyptus are firm.

#### Essential Oils

**Oil Almond**—Bitter quiet and unchanged at \$3.25@ \$3.75lb. spot and FFPA at \$3.25@ \$3.75lb. spot.

**Oil Angelica Root**—Named at \$38.00@ \$39.00lb. spot with possibility of doing less on firm business.

**Oil Anise**—Has eased off slightly and now quoted at 48c@50c lb. spot for U.S.P., and 44c@46c lb. spot for technical. Production still in advance of consumption. Competition keen for available business.

**Oil Bay**—Quoted easy at \$2.50@ \$2.60lb. spot.

**Oil Bergamot**—Spot coppers have advanced and now quoted at \$2.65@ \$2.75lb. spot with some odd lots still available at \$2.60lb. spot. However, tendency is to

higher figures owing to replacement of present stocks being named at \$2.80lb. laid down in New York.

**Oil Bois de Rose**—Quoted in good supply at \$2.40@ \$2.50lb. spot.

**Oil Camphor**—Japanese white named at 13½c@15c lb. for cases, and 13c@15c lb. for drums. Heavy at 12½c @13½c lb. spot. During past week 100 drums were received at New York from China and 213 drums from Japan.

**Oil Caraway**—Reports are heard that a number of short sellers are having difficulty in "covering" sales which were made some time ago. News came from the primary market that a large crop of seed was expected this year, and dealers immediately proceeded to sell "short" at about \$5.00lb. c.i.f., but when the time to "cover" came, the holders refused to sell except at their price. Spot is quoted higher at \$7.00@ \$7.25lb if procurable. Last cable on new crop oil was \$4.75lb., but since then the price has advanced.

**Oil Cassia**—Generally quoted at \$3.15@ \$3.25lb. spot with some holders naming \$3.10 in large way. Supplies are said to be more plentiful, although there is not enough of technical oil to make a market.

**Oil Cedar Leaf**—Quoted quiet at \$1.05@ \$1.10lb. spot.

**Oil Citronella**—Ceylon quoted at 69c@70c lb. for drums, and 72c@73c lb. for cans. The 68c holder of last week has now increased his price to 69c lb. spot for drums. London reports that spot stocks are scarce owing to adulterated supplies being held up at the Customs. During past week 66 drums were imported at New York. These were probably "sold to arrive." Java unchanged at 85c@90c lb. spot. Last week saw 1 drum of Java entered at New York.

**Oil Cloves**—Quoted at \$2.10@ \$2.20lb. for 50lb. cans with some directions naming \$2.05lb. Statistical position of this item is reported to be too low. Competition keen.

**Oil Coriander**—Trading quiet with possibilities of shading \$17.00@ \$17.50lb. spot.

**Oil Eucalyptus**—For the past two and a half years this item has been overproduced. With supplies near the point of exhaustion, the market has firmed up and the best price now obtainable is 52½c lb. for drums, and 55c@60c lb. for cases. During past week 11 drums were entered at New York. London reports a strong market at 2s 2d lb. for future delivery of 70-75 per cent.

**Oil Geranium**—Bourbon quoted at \$7.00@ \$7.50lb. spot with limited supplies at \$6.50lb. Turkish lower at \$4.50 @ \$4.75lb. spot.

**Oil Lemon**—Italian quoted easy at 70c@85c lb. spot as to seller and quantity with possibility of doing lower on firm orders. Demand small and competition keen for available business. Factors on American oil still quote nominally at 75c@80c lb.

**Oil Limes**—Expressed lower at \$1.50@ \$1.70lb. spot as to quantity. Distilled at 85c@ \$1.00lb. spot.

**Oil Mustard**—Artificial firm at \$2.40@ \$2.50lb. spot.

**Oil Orange**—Italian quoted lower at \$3.15@ \$3.70lb. spot owing to small demand and slight accumulation of stocks. West Indian also lower at \$2.45@ \$2.55lb. spot. American nominal at \$3.15@ \$3.25lb.

**Oil Pennyroyal**—Imported firm at \$1.90@ \$2.00lb. as to seller and quantity.



**Oil Peppermint**—Natural quoted strong at \$3.15lb. spot, and redistilled at \$3.35@\$3.55lb. as to seller. Demand has been active. Firm position due to substitution of this item for menthol and also to tendency of country to hold up price.

**Oil Rosemary**—Unchanged in spite of the Spanish revolution at 37½clb. spot for drums, and 40c@42clb. for U.S.P.

**Oil Wormseed**—Quoted lower at \$5.75@\$6.25lb. spot owing to pressure to sell before new crop oil arrives.

#### Aromatic Chemicals

**Coumarin**—Contracts are still running at \$3.50lb. with spot supplies named at \$4.50@\$4.65lb. by makers, and resales at \$4.35lb.

**Diethyl Phthalate**—Quoted at 45c@50clb. for drums, and 55c@65clb. for cans.

**Heliotropin**—Domestic at \$2.00@\$2.25lb. spot, and imported at \$2.50@\$2.75lb. spot with tendency for consumers to prefer domestic owing to high price of imported material. Replacement of imported ought to sell for \$2.80lb. to show a profit.

**Terpineol**—Domestic firm at 58c@60clb. for cans, and 54c@55clb. for drums. Imported named at 95c@\$1.20 lb. spot as to quality. Last week saw 4 cases entered at New York.

**Vanillin**—Named easy at 40c@40½clb. spot for 400oz. cans.

**Tolu Balsam**—Quoted at \$2.25lb. with limited quantities at \$2.15lb. spot.

#### SAYS EUROPE AWAITS REPARATIONS

European conditions will not improve until the reparation problem is settled once and for all, according to P. R. Dreyer, essential oil importer, New York, who has just returned from a three months trip through Europe. He says, "The situation in Germany is becoming worse by the hour. Little business is being transacted in spite of the fact that nobody saves any marks. The feeling that exists is unpleasant and can be rightly compared to being in the proximity of a volcano, which may become active at any moment. Holland is not doing much business with the surrounding countries owing to the high rate of exchange. Shipping is tied up to a large extent and interest in general is at a low ebb. In France everybody is at work, providing they want to work, and in fact, an actual shortage of labor appears to exist. The largest hotels in Switzerland are closed due to the high cost of maintenance. England still has the non-employment problem and is waiting for France and Belgium to settle the reparation question."

Peppermint oil production in England is on the increase as shown in a report that White, Tompkins, and Courage, Ltd., have acquired land in the vicinity of Reigate, which has been laid out as a peppermint farm. Tests of the oil have been so satisfactory that more land will be put into cultivation next year.

Fries & Fries Co., aromatic chemicals, New York, announce that they are now making iso-eugenol and geraniol. In a short time they will make the entire line of aromatics.

Essenflour Products, Ltd., producers of sandalwood oil, Mysore, India, has appointed Cox, Aspden & Fletcher, 26 Cortlandt st., New York, agents in the United States.

Edward M. Duvall, Baltimore representative of Colgate & Co., New York, is making a trip over the Southern territory.

#### ITALIAN ESSENTIAL OILS FLUCTUATE

##### Price Changes During August On Five Leading Products Compared

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Sept. 9.—Rapid fluctuations have taken place in the prices of essential oils, the holidays not reducing in any way the number of offers made. The table given below shows the changes per kilo:

	Aug. 6 Lire	Aug. 13 Lire	Aug. 20 Lire	Aug. 27 Lire
Sweet orange .....	140-147	145-150	140-150	139-157
Bitter orange .....	127-135	135-140	130-135	122-129
Bergamot oil .....	132-140	140-145	135-140	127-140
Lemon juice .....	32-39	34-37	30-35	30-32
Mandarine .....	300-320	285-305	305-320	290-325

Quotations for other essential oils were as follows per kilo:—Angelica root, lire 985; angelica seeds, lire 905; anis, lire 40.50; arnica flowers, lire 3,000; absynth, lire 250; Bay S. Thomas, lire 350; basilicum, lire 370; Roman chamomiles, lire 2,480; Ceylon cinnamon, lire 350; Ceylon citronella, lire 45; Burma citronella, lire 65; Ceylon cloves, lire 355; African geranium, lire 405; sandalwood, lire 405; lemongrass, lire 62; pressed Calabrian juice, lire 50.50; Piedmontese peppermint, lire 182; Italian rose, lire 4,000; French rosemary, lire 26; Italian rosemary, lire 25.50; mustard seed, lire 300; ylang ylang, lire 505.

Deterpenized essential oils are quoted as follows per kilo: Bitter orange, lire 3,700; sweet orange, lire 3,800; bergamot oil, lire 350; cedar oil, lire 550; lemongrass, lire 100; lime juice, lire 610; lemon juice, lire 410; mandarine, lire 7,500; peppermint, lire 330.

During the first three months of this year 299,617 kilos of essential oils were exported, against 235,989 kilos in the same period of 1922, showing the improved demand, especially from the United States and England.

#### SICILIAN ESSENCES INACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Sept. 9.—Although the value of the dollar and pound sterling remained high, little business has been conducted in Italian essences with the United States or England. The absence of many sellers, due to the holidays and excessive heat, reduced the number of offers made. Prices are as follows per Sicilian pound: Lemon juice, old harvest lire 7.20, new harvest lire 7.50; sweet orange juice, old harvest, lire 30, new harvest, lire 35; bitter orange, old harvest, lire 22, new harvest, lire 27; mandarine, old harvest, lire 80, new harvest, lire 90; bergamot oil, old production, lire 30, new production, lire 34.

The executive committee of the Flavoring Extract Association is slated to meet at the Hotel Astor, New York, Sept. 14, at 10 a. m., to discuss legislation in Georgia and Alabama, and proposed enactments to be offered before the Arkansas legislature which has been called in special session on Sept. 24. Regulation No. 60 of the Treasury Department relating to intoxicating liquors will be considered. Richard H. Bond, of McCormick & Co., Baltimore, is secretary of the committee.

Arthur Gustav Cailler, wellknown operator in menthol and citrus oils, New York, has returned from a trip to California, where he investigated the orange and lemon situation.

F. H. Ungerer, Ungerer & Co., essential oil importers New York, has returned from his vacation in the New Hampshire woods.

## The Foreign Markets

Imports of Drugs and Chemicals, page 791

### MENTHOL EASIER IN LONDON

Opium, Morphine, Codeine, Cocaine, and American Oil  
Peppermint Prices Advanced—Cascara, Agar Agar,  
Shellac and Linseed Oil Firmer—Sicilian Essences  
Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Sept. 19.—Trading in Japanese products has quieted down considerably. Menthol is easier at 80 shillings. Oil eucalyptus is active and higher. Prices have advanced on opium, morphine, codeine, cocaine, and oil peppermint American.

The market is firmer for cascara sagrada, agar agar, shellac and linseed oil.

Chamomiles, camphor and mercury are easier.

Prices are lower for Sicilian essences, and lemon oil.

The Drug Auctions will be held Thursday, Sept. 20.

London, Sept. 8. (By Mail).—Considerable excitement was evident in Mincing Lane markets throughout the week in most Japanese products, notably in menthol and Japanese mint oil. The advance in prices has been so rapid, almost hourly at times, that business has been exceedingly difficult to negotiate even with provincial buyers. Morphine manufacturers have closely followed the advance in opium cabled, last week, and have issued a new schedule advancing prices from 6d to 9d per oz.

Menthol—Since the advance to 39s per lb, daily increases have taken place and at this writing 90s per lb. is asked, and no forward quotations are available.

Japanese mint oil started at 7s 1d per lb. and closed firm at 12s per lb. asked on spot.

Camphor, China crude, is dearer at 3s 6d per lb. and Japanese slabs has advanced to 4s 6d per lb.

Camphor oil, light white Japan, was sold yesterday at 80s per cwt. in iron drums and 90s is wanted today.

Japanese insect flowers and powder have been scarcely mentioned and are unchanged.

Agar Agar No. 1. Kobe strip is firmer but has not participated yet in the general movement and is quoted at 5s 9d per lb. The recent high price level has discouraged its use and accounts for its present inactivity.

Morphine has been advanced as follows as from the 3rd inst:—Morphine Hydrochlor, powder smalls 10s 3d, 100 oz. 9s 6d; Morphine Hydrochlor, Cryst. smalls, 10s 6d, 100 oz. 9s 9d; Morphine Alkaloid Powder, smalls, 13s, 100 oz. 12s; Morphine Alkaloid Cryst, smalls, 13s 3d, 100 oz. 12s 3d; Codeine Pure Cryst, smalls, 15s 9d, 100 oz. 14s 9d; Codeine Sulfate, smalls, 13s 8d, 100 oz. 12s 8d.

Peppermint oil U. S. A. in tins is higher at 14s on spot & c. i. f.

Borax—An official reduction of £2 per ton has been made which applies to boracic acid, also. Borax commercial, Gran £24 10s per ton; Borax Commercial, Cryst £25 per ton; Borax Commercial, Powder, £26 per ton; Boracic acid commercial, Cryst., Gran., and small flake, £48 per ton.

Cod liver oil, mercury and ergot of rye Spanish are slightly lower than last week.

Canadian exports of chemical products for the year ended June 30, 1923, totaled \$15,167,316, compared with a total of \$9,540,024 for the preceding twelve months.

### FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.542
France (franc) .....	.193	.038
Italy (lira) .....	.193	.044
Germany (mark) per hundred.....	23.80	.000008
Czechoslovakia (crown) per hundred.....	20.30	.030
Poland (marks) per hundred.....	23.80	.0003
Japan (yen) .....	.499	.483
Spain (peseta) .....	.193	.133
Holland (guilder) .....	.402	.393
Belgium (franc) .....	.198	.148
Switzerland (franc) .....	.193	.177
Sweden (crown) .....	.268	.265
Denmark (crown) .....	.268	.179
Argentina (peso) .....	.424	.328
Brazil (milreis) .....	.279	.098
China (Silver dollar—Hongkong) .....	.789	.526
(Tael—Shanghai, silver) .....	1.082	.708
(Tael—Peking, silver) .....	1.156	.745

### ITALIAN PRICES FOR HEAVY CHEMICALS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Sept. 9.—The demand for heavy chemicals has been good, although much reduced through the holidays. Quotations per 100 kilos are: Hydrochloric acid, 20 degrees Baume, 25 to 27 lire; nitric acid, 36 degrees Baume, 155 to 165 lire; sulfuric acid, 66 degrees Baume, 45 to 48 lire; chloride of lime (bleach) 90 to 110 lire; calcium chloride, 70 to 75 lire; caustic soda, 190 to 215 lire; soda ash, 75 to 80 lire; ammonium sulfate, 162 to 165 lire; sodium silicate, 65 to 100 lire; magnesia chloride, 70 to 80 lire; potassium chloride, 78 to 83 lire; sodium nitrate, 140 to 144 lire; magnesia sulfate, 50 to 58 lire; copper sulfate, 98 per cent, 225 to 227 lire.

The total quantity of cloves received in the Zanzibar market from plantations in Zanzibar and the Pemba Islands amounted to 10,432 bales of 140 pounds each during April, 1923, compared with 43,450 bales in January, 28,616 bales in February and 16,518 bales in March. The reason for the decline is that the season was coming to a close. Total exports were 32,452 bales in January, 8,944 bales in February, 17,396 bales in March and 9,309 bales in April. Exports to the United States were 5,350 bales in January, 1,800 bales in February, 600 bales in March and 2,000 bales in April.

Alfred Paul Ostereicher, Daniowiczowska 6, Warsaw, Poland, drug manufacturer, offers the following medicinal plants for prompt shipment: Tot and folia, and uva ursi. Later in the season he will be able to ship lycopodium and chamomiles. Credit references and additional information can be obtained upon application at the American Polish Chamber of Commerce 953 Third ave., New York.

Belgium imports of calcium acetate for July totaled 393,000 kilograms of which 304,000 kilograms came from the United States. Of 590,000 kilograms of caustic soda imported by Belgium 253,000 kilograms were bought from United States, 137,000 kg. from France and 100,000 kg. from England. Belgium exported to the United States in July 410,000 kg. magnesia.

Importation of oleomargarine into Canada after August 31 has been prohibited by the Canadian Parliament. However, the sale of this commodity is permitted until March 1, 1924.

## ITALIAN SULFUR PRICES FOR SEPTEMBER

(Special Correspondence to DRUG &amp; CHEMICAL MARKETS)

Catania, Sicily, Sept. 8.—Sulfur quotations, per 100 kilos are: Refined sulfur in blocks, lire 53; sublimed sulfur, lire 70; raw ground sulfur, lire 55; refined ground sulfur, lire 62; ventilated sulfur, lire 73; all prices being for goods on board ship at Catania, or in the station at Catania.

Prices at Milan per 100 kilos are: Double refined sulfur (Montecatini, Poggi, Astengo), lire 94.50 to 95.50; sieved sulfur, lire 103.50 to 105; sublimed sulfur, lire 100 to 104.50; sulfur blocks, lire 70 to 72.

The Chilean nitrate industry has succeeded in working itself out of a very critical position and is once more established on a stable basis, says the Department of Commerce. During the first half of 1922, nitrate exports amounted to only 285,000 metric tons, whereas in the corresponding period of the present year over a million tons were shipped out. The directorate of the Nitrate Producers' Association, after making allowances for the threatening condition in Europe early in June, estimated exports for the year ending June 30, 1924, at 2,500,000 metric tons. This is 20 per cent more than was sold during 1922-23, and only 15 per cent under the record established in 1918.

Asbestos Corp. of Canada has declared quarterly dividends of 1 per cent on the common stock and 1½ per cent on the preferred stock. Previously the common stock was on a 6 per cent basis and the preferred on a 7 per cent basis. The directors decided to reduce the dividends, because of the lower prices for the company's products and the keen competition.

Sir S. W. Royle & Co., Ltd., Manchester, England, report for August states; "There has been little movement in business during August, the holidays having accentuated the general position, but prices have on the whole remained steady. Some benefit should follow the reduction in railway rates this month."

Chemical Products, Ltd., of Canada, reports a net trading loss of \$25,302 for the year ended June 30. Sales have amounted to \$187,609, compared with \$36,023 in 1922. Assets are given as \$3,506,966, and liabilities \$317,804.

Drugs valued at £100,000 and consigned to Arcos, Ltd., London, recently arrived from Russia.

## Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country	Purchase or Agency
Medicines, patented	7453	Latin America	Agency
Asphalt, rosin, and shoe wax	7518	Warsaw, Poland	Purchase
Dyes and chemicals	7403	Bombay, India	Agency
Naphthalene	7495	Mexico City, Mexico	Purchase
Phosphor, chrome, aluminum	7504	Warsaw, Poland	Purchase
Boric acid	7538	Cresotochowa, Poland	Purchase
Chemicals	7526	Warsaw, Poland	Purchase
Chemical products	7530	Stuttgart, Germany	Agency
Nitrate of copper, calcium nitrate, nitrate of soda	7557	Algiers, Algeria	Purchase
Paints, for use in Tropics	7563	Tegucigalpa, Honduras	Agency
Paints and varnishes	7532	Santo Domingo, Dominican Republic	Agency
Rosin and fats	7572	Posen, Poland	Purchase
Drugs	7555	El Fuerte, Mexico	Purchase
Drugs, medicines	7557	Algiers, Algeria	Purchase
Medicines, patent	7532	Santo Domingo, Dominican Republic	Agency

## GREEK IMPORT DUTIES MODIFIED

The Greek import duties on a number of articles have been modified, and new classifications made for certain other articles, by a legal decree published in the Official Greek Gazette No. 191 for July 13, 1923, and effective from July 16, 1923. The new duties on the more important articles are as follows:

Item No.	Articles	Rate of duty	
		General drachmas (gold) Per 100 oke	Conventional, drachmas (gold) Per 100 oke
60 (c)	Extracts of logwood, catechu, orchilla, oak, sumac, minosa, chestnut, and other similar	14.00	.....
61 (i)	Asphalt in general:		
	1. Asphalt in lumps	1.00	.....
	2. Asphalt powder and asphalt mastic	3.00	.....
	3. Bitumen	5.00	.....
		Per oke	Per oke
70	Tinctures, extracts, and sirups (not including patent medicines)	2.00	.....
83 (a)	Quinine in general	5.00	1.00
(b)	Quinidine and cinchonine	20.00	1.00
91 (c)	Toilet soap in cakes weighing up to 200 grams, not perfumed, and soap in flakes or powder, not perfumed	.50	.....
		Per 100 oke	Per 100 oke
99 (a)	Mineral wax:		
	1. Paraffin wax, ceresine and all mineral wax not specified	175.00	130.00
(c)	Stearine	200.00	130.00
101(a)	Stearine candles	200.00	150.00
(b)	Candles of paraffin wax and of any similar material	200.00	160.00
102(b)	Writing or drawing inks in powder or tablets	400.00	200.00
103(c)	Naphthaline; monosulfide, sulfate, hyposulfide and hypochloride of soda, chloride of lime, and chloride of magnesium	1.50	.....
		Per oke	Per oke
127(b)	Celluloid, gluten, caseine, imitation amber, and similar materials, in lumps, slabs, or sheets, not manufactured into articles	2.00	1.20

## FEDERAL DRUGGISTS ELECT OFFICERS

(Special to DRUG &amp; CHEMICAL MARKETS)

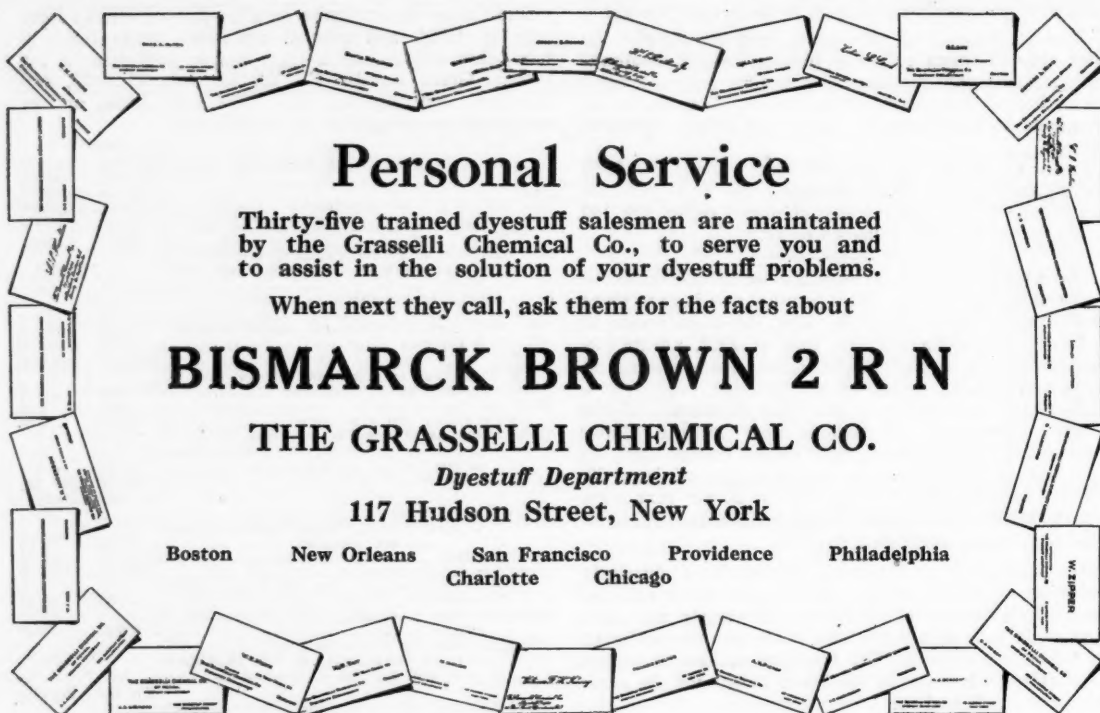
Toronto, Canada, Sept. 19.—The eighth annual convention of the Federal Wholesale Druggists Association, composed of co-operative corporations of the United States and Canada, was attended by 24 of the 28 co-operative companies in the association, the total number of representatives being 125. Among the subjects taken up were "The Return Evil and How to Meet It," "Uniform Statistics," "Development of the Drug Sundry Business," "Collection of Accounts" and "Loyalty of and Co-operation of Employees."

The first six months of the current year were stated to have realized a gain of 17½ per cent in volume of business done over the same period last year, and the additions to the membership amounted to not less than 20 per cent, with a little less than 15,000 of the country's 50,000 retailers holding membership in the co-operatives. Invitations to hold the next convention there were received from St. Louis, Minneapolis and Newark. The choice will be made by the executive committee in about six months. Officers were elected as follows:

President—W. A. Hargreaves, Drug Trading Co., Toronto. Vice-President—Robert Sherwin, New Jersey Wholesale Drug Co., Newark, N. J. Treasurer—O. J. Cloughley, St. Louis Wholesale Drug Co., St. Louis. Secretary—R. E. Lee Williamson, Calvert Drug Co., Baltimore. Executive Committee—J. H. Marshall, Northwestern Drug Co., Minneapolis; O. J. Thuma, Economy Drug Co., Cincinnati; J. J. Ereyer, New Jersey Wholesale Drug Co., Newark.

At the closing banquet in the King Edward Hotel addresses were made by W. C. Reinhold, Chicago; J. C. Krieger, Buffalo, N. Y.; W. A. Hargreaves, Toronto; Paul Pearson, Washington, and O. W. Osterlund, Philadelphia.





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---

**GLASS, SOAP, PAPERMAKERS,  
TEXTILE and FERTILIZER SUPPLIES**

## Leather Chemicals

### POTASSIUM BICHROMATE QUOTED LOWER

**Restricted Demand and Competition Weight on Prices—Sodium Prussiate Firmer—Sodium Sulfide Easy—Newfoundland Cod Oil Higher—Extracts Improve Slowly**

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic .....	\$3.38	\$3.38	\$3.38	\$2.67	\$17.00	\$1.50
Acid, Formic .....	.12	.12	.12	.18	1.50	.07
Acid, Lactic, 22% .....	.06	.05	.05	.05	.07	.02
Potassium Bichromate .....	.10	.10	.10	.07½	.65	.06¼
Epsom Salt, tech. ....	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate .....	.14	.13¾	.14	.23	1.25	.18
Soda Ash, 58% .....	1.45	1.45	1.45	1.45	4.10	.69
Sodium Bichromate .....	.07¾	.07¾	.07¾	.06¼	.45	.04¾
Sodium Hyposulfite .....	2.75	2.75	2.75	3.10	3.75	1.30
Sodium Sulfide, 60% .....	.04	.04	.04	.08¾	.10¾	.02¼
Average .....	.990	.990	.990	.955	3.267	.528

Makers and dealers in leather chemicals characterize the market as spotty. A steady demand has not yet settled upon the market and sellers are uncertain about the future. One week is reported good, leading factors to believe the turning point has been reached, but the next day or week sees a relapse again. However, the total volume of business has shown an improvement and reports are current that the next month will see business on a broader scale than that of the past month. Competition and the restricted demand have acted as a weight on prices to a certain extent. Makers of potassium bichromate are quoting lower prices. Sodium sulfide has been easy under accumulated stocks. Sodium prussiate has become a little firmer. Cod oil and menhaden oil are stronger and sellers are higher in their views. Catches this season are reported the smallest in years. Importation of tanning materials continues steady.

**Acid, Acetic**—Demand has been for moderate lots but improved demand is looked for soon. Makers' prices are unchanged with 28% quoted at \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Formic**—Buying is along moderate lines with prices showing no change from previous quotations of 12c@14c lb. as to grade and seller.

**Acid, Lactic**—Domestic material predominates in the market and prices are maintained at recent levels. Demand is showing a steady improvement. Dark 22% quoted at 4½c@5c lb. and light, 5½c@6c lb.; 44%, dark, 9½c@10c lb. and light, 11½c@12c lb.; 66%, 16c lb.

**Arsenic**—Prices for red sulfide are holding steady at 15c@15½c lb. Demand is restricted to immediate requirements and supplies are reported light.

**Epsom Salt**—Demand for moderate quantities is fairly steady. Prices are holding at \$2.15@2.50 according to quantity for domestic U.S.P. and \$1.75@2.00 for imported. Technical held at \$1.80@2.00, domestic, and \$1.00 for imported.

**Extracts**—Buying is still restricted to actual requirements. Importations of tanning materials have been quite steady. Nearly 8,000 packages of myrobalans were received at New York last week. The outlook for future business is reported promising. Prices remain at recent levels. Chestnut held at 2c@2½c lb.; hemlock, 3c@3¼c lb.; quebracho, 3c@3½c lb.; logwood, 7c@12c lb.; myrobalans, 4c@5c lb.; sumac, 7c@9c lb.

**Formaldehyde**—Easy with resale offerings at 12½c lb. and makers at 13c lb.

**Oils**—Cod oil has a stronger tone owing to small offerings from Newfoundland. One factor is quoting 68c@70c gal. though offerings are also named at 65c gal. Menhaden is higher with sales at 42½c gallon for crude and select asking 45c. Linseed oil is quiet and steady at 90c in carlots. Tallow and animal oils are higher. Tallow sales at 8¼c lb.

**Potassium Bichromate**—Makers are quoting lower prices at 9¼c lb. Buyers are showing little interest except for small quantities for immediate delivery.

**Soda Ash**—Contract deliveries have been proceeding regularly and prompt business is reported satisfactory. Makers' prices steady at \$1.45@1.50 for carlots of bags at works. Spot business continues fair with less than carlots at \$2.00, ex-warehouse, in bags, and \$2.25 in barrels.

**Soda Caustic**—Makers report increasing deliveries on contract while new business is gaining steadily. Contracts are quoted at \$3.16½ for solid in carlots at works. Spot prices for less than carlots held at \$3.80, delivered.

**Sodium Prussiate**—Demand has shown a little improvement and prices are somewhat firmer with imported held at 14c lb. Domestic makers are also quoting 14c lb. with freight allowed to nearby points.

**Sodium Sulfide**—Demand has shown little improvement and prices are easy. Domestic makers are quoting 4c@5c lb. for solid and broken at works. Crystals named at 2c@2½c lb. Imported solid and broken at 3c@3½c lb. and crystals, 2c@2½c lb.

### FRENCH LEAD IN SHEEPSKIN TANNING

A Boston tanner of glove and other sheepskin leather, just returned from a trip through France, Belgium and England, says: "Despite our increased tariff protection, the busy and skilful French are making distinct inroads into the American glove market, particularly in the finer grades. This is due in part to quality, but more particularly to cheap, experienced and very diligent labor. The French have been able to pay 15 per cent to 20 per cent more for sheepskins on the continent, including the Spanish market, than we could afford, and to sell gloves at prices beyond our ability to meet here, despite increased protection.

"Greater painstaking is in part the answer, as compared with our workers. Instead of our hasty chrome tanning, they will tan, as they have done for generations, with alum, egg yolk and salt, and lay the skins away for a period before finishing. They can use small skins making only some 30 to 50 feet to a dozen skins, where we need 75 feet or more."

### OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see the general market reports on the thirteen preceding pages. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on fifth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

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## Paper Chemicals

### FIRMER TONE TO BLEACHING POWDER

Distressed Lots Practically All Sold—Casein Position Firmer—Rosin Prices Gain After Long Quiet Period—Salt Cake in Better Supply—Improved Buying Expected

	Trend of the Market					War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.25	\$5.50	\$1.50	
Blanc Fixe .....	75.00	75.00	75.00	80.00	95.00	45.00	
Bleaching Powder .....	1.75	1.75	1.75	1.60	9.50	1.50	
Casein .....	.18½	.15½	.15½	.15	.28	.20	
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00	8.00	
Chlorine .....	.05	.05	.05	.05	.30	.08	
Salt Cake .....	22.00	22.00	23.00	20.00	80.00	11.00	
Satin White .....	.01½	.01¼	.01¼	.02	.05	.03	
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00	
Rosin, F grade .....	5.95	5.90	5.90	6.40	4.05	20.25	
Average .....	12.00	12.00	12.56	12.64	20.14	6.95	

Activity in paper and pulp mills is still somewhat below normal and consumption of chemicals is restricted to actual requirements until operations open up on a broader scale. Supplies of paper chemicals are in fair volume and sellers are waiting for consumers to come into the market for supplies. Buying thus far has failed to develop according to early expectations. A firmer feeling has developed in bleaching powder. Practically all distressed lots in the market have been disposed of and makers are down nearly to minimum stocks. Demand is expected to improve steadily during the Fall. Salt cake stocks have improved during the summer, and supplies at the opening of seasonal demand are reported in better supply than usual. Rosin prices gained slightly during the week. Casein is firm with most of resale material off the market.

**Acid, Sulfuric**—Consumption has been proceeding steadily with contract buyers taking supplies regularly and new business improving. Makers continue to quote 66° in tanks at \$15.00@\$16.00 ton at works; drums named at \$1.10@\$1.25 and carboys at \$1.25@\$1.50; 60° acid is named at \$9.00@\$10.00 in tanks and 60c@70c in drums. Oleum is in limited supply at \$18.00@\$19.00 ton.

**Aluminum Sulfate**—Buyers are beginning to call for supplies and general demand has shown improvement. Makers are quoting iron-free at \$2.25@\$2.40 according to quantity. Commercial named at \$1.35@\$1.40.

**Blanc Fixe**—Moderate movement at unchanged prices. Domestic held at \$75.00@\$80.00 ton at works. Imported at \$70.00@\$72.00 ton. Pulp quoted at \$50.00@\$55.00 ton.

**Bleaching Powder**—Most of the distressed lots have been taken up and prices have become firmer. Most sellers are quoting \$1.75 at works though one or two are still holding at \$1.50. Demand has begun to improve as mills gradually resume operations.

**Casein**—Prices are holding steady at 16½clb. for imported and 15½clb. for domestic. Demand has shown a little improvement.

**China Clay**—Some interest is being shown for Fall deliveries but actual buying is quiet. Domestic clay held at \$10.00@\$15.00 ton and imported at \$16.00@\$22.00 ton.

**Chlorine**—Contract deliveries are proceeding steadily and new business is gaining. Prices are quoted at a range according to quantity and seller from 4c@5clb.

in tanks and cylinders. Spot business in small lots at 6c@9clb.

**Salt Cake**—Improved supplies with prices at \$20.00@\$22.00 ton.

**Satin White**—Held at \$1.45@\$1.50 per 100lbs. on fair demand.

**Sodium Bisulfite**—Dry powder is named at 4½clb. at works and solution at \$1.25@\$1.75 according to strength.

**Sodium Silicate**—Quiet demand at unchanged prices. Makers quote 40° at 70c in tanks and 60° at \$1.75. Drum of 40° on spot, \$1.30.

**Sulfur**—Producers quote crude at \$18.00@\$19.00 ton for bulk in carloads, New York. At mines, \$14.00@\$15.00.

**Rosin**—Improved buying and prices have responded slightly. B to I, \$5.95; K-M, \$6.00; N, \$6.25; WG, \$6.50; WW, \$7.00.

Assistant Secretary of the Treasury Moss, in a letter to Appraiser of the Port, F. J. H. Kracke, New York, says: "Reference is made to your several dumping notices covering kraft paper from Norway. Careful consideration has been given to the testimony of the domestic manufacturers and to the documentary evidence submitted by them on the question of injury to the domestic industry by reason of such importations. I am of the opinion that no such injury has been established. A finding of dumping under the provisions of Section 201 (a) of the Anti-dumping Act of 1921 cannot, therefore, be issued."

Glassine paper is composed of sulfite pulp. Its transparency and its greaseproof qualities are effected by special beating and super-calendering, and it makes a hygienic and attractive paper for food products or for packages where both protection and transparency are necessary. Prior to the war there were only one or two manufacturers of glassine in the United States. Today there are eight or more with a production of about 100 tons daily.

Western Paper Makers' Chemical Co., Easton, Pa., will start operation of a rosin sizing plant, recently purchased from Grecian-American Turpentine Co., Savannah, Ga. O. E. Scott will have charge of the Savannah branch. Other plants of the company are located at Jacksonville and Pensacola, Fla., Kalamazoo, Mich., and Easton, Pa.

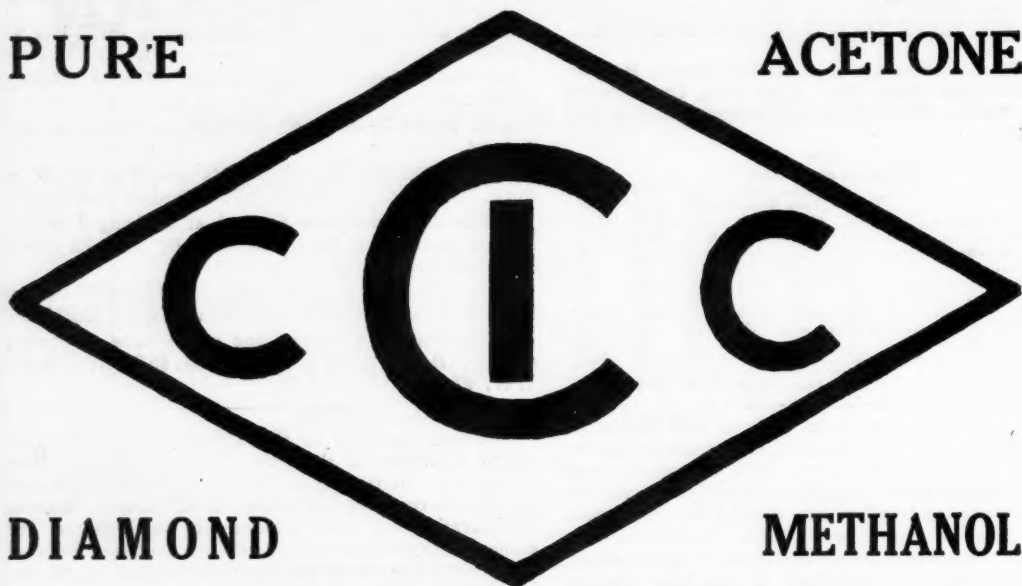
National Safety Council will hold its twelfth annual congress at Buffalo during the first week of October. About 3,500 industrial safety workers will attend.

### OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

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Los Angeles

## Rubber Chemicals

### WHITE BARYTES ACTIVELY IN DEMAND

China Clay Steady—Carbon Bisulfide Quiet—Resales Diphenylguanidine, \$1.10lb.—Domestic Whiting Lower—Acetone Firm—Imported Hexamethylene Higher for Shipment—Benzene Soft

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Carbon Black .....	\$16	\$16	\$18	\$15	\$40	\$04
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Tetrachl. ....	.09	.09	.09	.09	.70	.07
Benzene, Pure .....	.24	.24	.25	.30	1.10	.25
Antimony Sulfide Crim....	.39	.36	.36	.35	.45	.35
Talc, Dom., Ref.....	18.00	18.00	18.00	20.00	40.00	15.00
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.....	.08½	.08½	.08½	.07	.09½	.09
Lithopone .....	.07	.07	.07	.06	.08	.04
Sulfur .....	3.05	3.05	3.00	2.50	6.50	2.75
Average .....	3.534	3.534	3.537	4.158	7.982	2.969

Demand for rubber chemicals has eased off slightly during week, owing to the National Chemical Exposition, which is being held in New York, but the net loss is expected to be regained when the increased number of inquiries by out-of-town visitors are turned into orders. Shading is still prevalent and when odd lots of cheap materials are fully absorbed, the market will take on a firmer aspect, according to the trade. Contracts for future deliveries are being made in spite of the general tendency of buyers to take on supplies for immediate requirements only. Orders that are being received call for immediate delivery, thereby showing the reduced state of mill stocks. Actual changes on spot have been few. The usual bullish news for the week has been conspicuous by its absence. Benzene is still a weak item and further reduction is likely, according to a factor in the trade. Supplies of methyl acetone are scarce and acetone stocks are none too plentiful. Active demand for carbon black was noted on spot with export inquiries more or less limited.

**Acid, Acetic**—Demand has been for moderate lots but improved demand is looked for soon. Makers' prices are unchanged with 28% quoted at \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acetone**—Makers report an active demand at 30c@32c lb. spot for C.P., and methyl acetone at \$1.15@1.20 gal. spot as to quantity with supplies of the latter scarce and some dealers go so far as to say the price is nominal only.

**Aniline Oil**—Demand is along lines at 16c@17c lb. works as to quantity, and 17c@18c lb. for spot goods. Consumption is reported from some quarters to be sufficient to keep stocks from accumulating.

**Aluminum Sulfate**—Quiet at 5c@6c lb. spot.

**Antimony Sulfide**—Good inquiry claimed by makers at 19c@24c lb. spot for golden as to quality, and 39c@50c lb. for crimson.

**Asbestine**—Steady at \$18@20 ton works.

**Benzene**—While the price has not changed over last week, several houses predict a softer tone to the market in the near future. Quoted at 22c@23c gal. works for 90 per cent material in tanks and 27c@29c gal. for drums. Pure named at 24c@26c gal. for tanks, and 29c@32c gal. for drums. Sales are reported to be small with tendency for production to run ahead of consumption.

**Blanc Fixe**—Steady at 4c@4½c lb. f.o.b. New York.

**Carbon Bisulfide**—Quiet on spot at 6c@7½c lb. as to quantity.

**Carbon Black**—Demand last week has been active for domestic consumption, while export shows little activity. Quoted at 16c@18c lb. spot as to quantity, and contracts at 14c@16c lb. Compressed at 17c@18c lb. spot, and contracts for same at 15c@17c lb. Large users are holding off for lower prices in view of the increased production in the South.

**China Clay**—Steady demand is reported at \$18@24 ton for imported as to quality, and domestic named at \$13@20 ton as to quality at points of production.

**Dimethylaniline**—Named at 41c@42c lb. works.

**Diphenylguanidine**—Makers quoting \$1.15@1.20 lb. as to quantity with resales named at \$1.10 lb.

**Iron Oxide**—Quoted at 3½c@14c lb. as to quality.

**Lithopone**—Demand steady at 7c@7½c lb. works.

**Mineral Rubber**—Named at \$40@50 ton for 300/315 quality.

**Sulfur**—Rubbermakers' quality quoted at \$3.05@3.30 per 100 lbs. as to quantity; superfine at \$2.50@2.90; and chloride at 6c@7c lb.

**Talc**—Steady at \$15@18 ton for domestic; French, \$20; high-grade French, \$40; and Italian, \$47@58 ton as to quality.

**White Barytes**—Demand active at \$30@35 ton works.

**Whiting**—Domestic has declined and now quoted at \$13@15 ton works; gilders' bolted, \$1.10 per 100 lbs.; and English cliffstone, \$1.50.

### ANOTHER SHARP CUT IN HEXAMETHYLENE

Hexamethylenetetramine has been cut twice by producers during the past two weeks. The first cut was from 95c to 85c. Another reduction this week has brought the price down to 75c lb. basis for ton lots, 77½c lb. in 100 lb. lots, f.o.b. New York. Competition from imported material is reported responsible, although only two American producers hold licenses for sale of hexa for use of the rubber trades.

Rubber articles sold in Denmark must be marked with country of manufacture according to Trade Commissioner Harry Sorenson, Copenhagen.

Less activity was reported in the rubber industry in August, by the New York State Industrial Commissioner.

#### OTHER COMPOUNDING INGREDIENTS

For reports on chemicals, solvents, fillers, vulcanizing compounds, colors, and other raw materials for the rubber industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on third page toward the back of the book. Prices are for goods f.o.b. New York or works prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.



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## Textile Chemicals

### GLAUBER SALT SUPPLIES IMPROVE

**Lessened Demand Easily Met During Summer—Sodium Sulfide Continues Weak—Bleaching Powder Firmer—Bichromates Are Easy—Sodium Prussiate Firmer—Alkalis Steady**

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.38	\$3.38	\$3.38	\$2.67	\$17.00	\$1.50
Acid, Oxalic .....	.12	.12	.12	.15	.70	.07
Ammonia Alum .....	3.50	3.50	3.50	3.25	7.75	1.75
Bleaching Powder .....	1.75	1.75	1.75	1.60	9.50	1.50
Epsom Salt, U.S.P. ....	2.15	2.15	2.25	2.25	4.25	1.50
Glauber's Salt .....	1.80	1.80	1.85	1.25	2.50	.80
Potash, Caustic, Imp. ....	.07	.07	.07	.05	.87	.12
Potash Permanganate ....	.18	.18	.17	.14	4.10	.08
Soda Ash, 58%.....	1.45	1.45	1.45	1.45	4.10	.69
Soda Caustic, 76%.....	3.16	3.16	3.16	3.16	9.50	1.80
Average .....	1.722	1.722	1.721	1.600	6.027	.982

Demand for textile chemicals continues routine in character. While many mills are beginning to resume operations after being closed during the greater part of the summer, consumption of chemicals has not begun to attract attention. In some cases mills have sufficient stocks on hand, or are only ordering enough for immediate requirements. General conditions point to increased activity and chemicals are expected to be in good demand within the next month. Bleaching powder has firmed up since most of the summer distressed material has been taken off the market. Bichromates have been somewhat under slow demand and keen competition for business. Sodium sulfide supplies are plentiful and prices are soft. Sodium prussiate is slightly firmer. Caustic soda and soda ash are firm and steady features.

**Acid, Acetic**—Demand has been for moderate lots but improved demand is looked for soon. Makers' prices are unchanged with 28% quoted at \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Oxalic**—Demand has been disappointing. Prices are holding at 12clb. at works and 12c@12½clb. on spot.

**Acid, Sulfuric**—Consumption has been proceeding steadily with contract buyers taking supplies regularly and new business improving. Makers continue to quote 66° in tanks at \$15.00@16.00 ton at works; drums named at \$1.10@1.25 and carboys at \$1.25@1.50; 60° acid is named at \$9.00@10.00 in tanks and 60c@70c in drums. Oleum is in limited supply at \$18.00@19.00 ton.

**Bleaching Powder**—Most of the distressed lots have been taken up and prices have become firmer. Most sellers are quoting \$1.75 at works though one or two are still holding at \$1.50. Demand has begun to improve as mills gradually resume operations.

**Epsom Salt**—Demand for moderate quantities is fairly steady. Prices are holding at \$2.15@2.50 according to quantity for domestic U.S.P. and \$1.75@2.00 for imported. Technical held at \$1.80@2.00, domestic, and \$1.00 for imported.

**Glauber's Salt**—Supplies are in fair volume while demand is only moderate. Prices are steady at \$1.30@1.75 for technical and \$1.40@1.75 for U.S.P. Imported is offered at 75c@90c as to seller and quantity.

**Potash, Caustic**—Spot prices are somewhat unsettled and offerings have been heard at 7clb. though most sellers are at 7¼clb. Shipment prices are named at 7clb. Distribution methods in Germany for export are

still uncertain and local prices have been unstable. Domestic material is steady at 9c@10clb.

**Potassium Bichromate**—Makers are quoting lower prices at 9¾clb. Buyers are showing little interest except for small quantities for immediate delivery.

**Potassium Prussiate**—Shipment prices named at 28c lb. while spot goods are obtainable at 29c@32clb. according to seller and quantity.

**Soda Ash**—Contract deliveries have been proceeding regularly and prompt business is reported satisfactory. Makers' prices steady at \$1.45@1.50 for carlots of bags at works. Spot business continues fair with less than carlots at \$2.00, ex-warehouse, in bags, and \$2.25 in barrels.

**Soda Caustic**—Makers report increasing deliveries on contract while new business is gaining steadily. Contracts are quoted at \$3.16½ for solid in carlots at works. Spot prices for less than carlots held at \$3.80, delivered.

**Sodium Prussiate**—Demand has shown a little improvement and prices are somewhat firmer with imported held at 14clb. Domestic makers are also quoting 14clb. with freight allowed to nearby points.

**Sodium Sulfide**—Demand has shown little improvement and prices are easy. Domestic makers are quoting 4c@5clb. for solid and broken at works. Crystals named at 2c@2½clb. Imported solid and broken at 3c@3½clb. and crystals, 2c@2¼clb.

#### Starches and Dextrines

Buyers are showing little interest at the moment but reports and predictions point toward increased activity during the Fall. Prices are steady with corn dextrine at \$3.65@3.75; canary, \$3.69; powdered starch, \$3.29@3.32; pearl, \$3.12; potato, 4½c@5clb. British gum, 4c@5¼clb. Imports at New York last week showed 1,550 bags of potato starch entered.

Plans have been made by the Tulsa Cotton Mills, Tulsa, Okla., to build a mill of 18,000 spindles and 752 automatic looms, with a complete dyeing and finishing building. The plant will have 175,000 square feet of floor space and will be equipped to produce cotton yarns and make 31-inch ginghams and shirtings. It will employ about 800 operatives.

**Golden State Silk Mills** will build the first silk weaving plant on the Pacific Coast at Hermosa Beach, Cal. A large dyeing room will be a part of the factory.

**A. Klipstein & Co.**, heavy chemicals, New York, recently suffered loss by fire on a stock of egg albumen, stored at 281 West st.

#### OTHER TEXTILE MATERIALS

For reports on chemicals, oils, fillers, finishing compounds, bleaches, and other raw materials for the textile industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning of next page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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## Chemicals

ACETANILID, tech. 150 lb bbls. . . . .	.27	.28
100 lb kgs. . . . .	.28	.30
USP 200 lb bbls. . . . .	.32	.33
Second Hands . . . . .	.31	.32
Acetic Anhydride, 85% 480 lb dra. . . . .	.38	.38
85%, 107 lb chys. . . . .	.38	.38
92-95% 100 lb chys. . . . .	.43	.45
Acetone, CP 700 lb dra. c/l wks. . . . .	.25	.25
700 lb dra. c/l wks. . . . .	.25	.25
350 lb dra. c/l wks. . . . .	.25	.25
Second Hands, spot. . . . .	.30	.32
Acetone Oils, light, bbls, wks. . . . .	1.00	1.05
Heavy, bbls, wks. . . . .	1.00	1.05
Acetophenidin, 150 lb bbls. . . . .	1.85	1.90
Acetyl Chloride, 100 lb chys. . . . .	.40	.41
ACID, 1, 2, 4, 250 lb bbls. . . . .	. . .	1.30
Acetic, 28%, 400 lb bbls. c/l . . . . .	. . .	3.38
28%, 1c/l wks. . . . .	. . .	3.63
50%, c/l wks. . . . .	. . .	6.75
50%, 1c/l wks. . . . .	. . .	7.00
70%, bbls. c/l wks. . . . .	. . .	8.38
70%, 1c/l wks. . . . .	. . .	8.63
80% coml. bbls. c/l wks. . . . .	. . .	9.58
80% coml. 1c/l wks. . . . .	. . .	9.83
80% pure bbls. c/l wks. . . . .	. . .	11.41
80% pure 1c/l wks. . . . .	. . .	11.66
Glacial, bbls. c/l wks. . . . .	. . .	12.78
Glacial, 1c/l wks. . . . .	. . .	13.03
Glacial, USP chys wks. . . . .	. . .	13.53
Acetylacetic, 220 lb bbls. . . . .	. . .	.75
Second Hands . . . . .	. . .	.72 1/2
Anthranilic, ton lots dra. . . . .	. . .	.96
95-98%, 100 lb dra. . . . .	1.00	1.10
99-100%, 100 lb dra. . . . .	. . .	1.20
Benzoic, tech. 100 lb bbls. . . . .	. . .	.75
Tech. ton lots bbls. . . . .	. . .	.70
USP, 100 lb bbls. . . . .	. . .	.85
Second Hands . . . . .	. . .	.70
Boric, crys. powd. 250 lb bbls. . . . .	. . .	.11 1/4
Kegs, 100 lb . . . . .	. . .	.11 1/4
Breunner's, 250 lb bbls. . . . .	. . .	1.55
Butyric, 60% pure 5 lb bot. . . . .	.50	.60
C.P. 10 lb bot. . . . .	1.25	1.50
Camphoric, USP, VIII 1 lb bot. . . . .	5.90	6.00
Carbolic, USP crys. see also Phenol . . . . .	. . .	.32
112 lb tins . . . . .	. . .	.34
25 lb tins . . . . .	. . .	.37
5 lb tins or bot. . . . .	. . .	.41
1 lb bot. . . . .	. . .	.40
Liquid USP, 1 lb bot. . . . .	. . .	.40

### ACID, Carbolic—(Continued)

Crude, 25% 50 gal. bbls. . . . .	.35	.36
10%, 50 gal. bbls. . . . .	.30	.32
Chloroacetic, mono 100 lb bbls. wks. . . . .	. . .	.30
DL, 150 lb chys wks. . . . .	. . .	1.00
Tri, 425 lb bbls. wks. . . . .	. . .	2.45
Chlorosulfonic, 1500 lb dra. . . . .	. . .	.15
wks. . . . .	. . .	.16
Chromic, USP 200 lb drums. . . . .	. . .	.40
85% Pure, 200 lb drums. . . . .	. . .	.35
Chromotropic, 300 lb bbls. . . . .	. . .	1.25
Chrysophanic, see Chrysarobin . . . . .	. . .	.393
Cinnamic, 5 lb cans. . . . .	. . .	.49
CITRIC, USP crys 230 lb bbls. . . . .	. . .	.50
Powd., USP 200 lb bbls. . . . .	. . .	.50
Imported, crys. 112 lb kgs. . . . .	.49	.50
Single kgs. . . . .	.49	.50
Cleves, 250 lb bbls. . . . .	1.00	1.10
Cresylic, 95% dark dr. NY. . . . .	.70	.75
97-99% straw, dra. wks. . . . .	. . .	.85
97-99% pale, dra. NY. . . . .	.85	1.00
97-99% decolor. dra. wks. . . . .	.73	.85
Crude, spot, drums. . . . .	. . .	.70
Diethylbarbituric, 10 lb lots, 1 lb bot. . . . .	8.50	10.50
Formic, 75% tech. 100 lb chys. . . . .	.11	.12
90%, 75 lb chys. incl. . . . .	.12	.14
Gallie, USP 150 lb bbls. . . . .	. . .	.65
Gamma, 225 lb bbls, wks. . . . .	1.80	1.90
Bbls., ton lots wks. . . . .	1.70	1.80
Glycerophosphoric, 25% 1 lb b. . . . .	1.50	1.60
H 225 lb bbls. . . . .	.80	.85
Bbls., ton lots wks. . . . .	. . .	.75
Hydriodic, 10% USP 5 lb bot. . . . .	. . .	.73
Hydrobromic, 48% coml. 155 lb chys. wks. . . . .	.35	.40
48% coml. 10 chys. wks. . . . .	. . .	.40
40% USP 155 lb chys. wks. . . . .	.45	.46
10% USP 100 lb chys. wks. . . . .	.11	.13
Hydrochloric, see also Acid Muriatic . . . . .	. . .	.09
CP, USP, 110 lb chys. . . . .	. . .	.11
HYDROFLUORIC, 30% 400 lb bbls. . . . .	. . .	.07
wks. . . . .	. . .	.06
30% bbls. c/l wks. . . . .	. . .	.07
30% 100 lb chys. wks. . . . .	. . .	.07
48% single 100 lb chys. wks. . . . .	. . .	.10
48% 10 chys. wks. . . . .	. . .	.12
52% 100 lb chys. wks. . . . .	. . .	.11
52% 10 chys. wks. . . . .	. . .	.11

### Acid, hydrofluoric—(continued)

60% 100 lb chys. wks. . . . .	. . .	.14
60% 300 lb dr. wks. . . . .	. . .	.13
White Acid, 100 lb chys. wks. . . . .	. . .	.26
White Acid, 10 chys. wks. . . . .	. . .	.25
Hydrofluosulfic, 35% 450 lb bbls. wks. . . . .	.10	.12
Hypophosphorous, USP 30% 5 gal. demis. . . . .	. . .	.95
USP, 10% 5 gal. demis. . . . .	. . .	.32
LACTIC, 22% dark 500 lb bbls. . . . .	.04 1/2	.05
22% light, bbls. . . . .	.05 1/2	.06
44% dark, bbls. . . . .	.09 1/2	.10
44% light, bbls. . . . .	.11 1/2	.12
66% bbls. . . . .	. . .	.16
USP IX 100 lb chys. . . . .	.70	.75
USP VIII 100 lb chys. . . . .	. . .	.70
Laurent's, 250 lb bbls. . . . .	. . .	.90
Metanilic, 250 lb bbls. . . . .	.60	.65
Mixed, sulfuric-nitric . . . . .	. . .	.08
Drums, wks. . . . .	.01	.01 1/4
Drums, wks. . . . .	.01	.08
Tank cars, wks. . . . .	.0099	.01
Molybdic, 85% pure 1 lb bot. . . . .	1.60	1.70
85% pure, 100 lb kgs. . . . .	. . .	1.85
Monosulfonic F, Delta. 50 lb tins . . . . .	. . .	2.30
MURIATIC, 20° chys. 1c/l wks. . . . .	1.40	1.50
Chys. c/l wks. . . . .	1.25	1.50
Tank cars, wks. . . . .	1.00	1.10
18°, 120 lb chys. . . . .	. . .	1.00
c/l wks. . . . .	1.00	1.10
Tank cars, wks. . . . .	.90	1.00
22°, 120 lb chys. . . . .	. . .	1.75
c/l wks. . . . .	1.75	2.00
Iron, free 20° chys. . . . .	. . .	. . .
c/l wks. . . . .	. . .	. . .
Tank cars, wks. . . . .	. . .	. . .
Muriatic, CP & USP, see Acid Hydrochloric . . . . .	. . .	. . .
Naphthionic, tech. 250 lb bbls. . . . .	. . .	.62
Refined, single bbls. . . . .	. . .	.65
Neville & Winter's, 250 lb bbls. . . . .	. . .	1.10



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## Chemicals

<b>ACID, NITRIC, 36° 135D</b>			<b>Acid Sulfuric</b>			<b>ALCOHOL—(continued)</b>		
Chy. wks. ....100D	4.75	5.00	Oleum, 20 p.e. 1500D drums,			Isopropyl, crude 50 gal. drs..gal	...	2.25
Chy. c/l wks. ....100D	4.50	4.75	lc/l wks. ....100D	1.50	1.75	Refined, 50 gal. drs.....gal	4.00	4.50
38° single chy. wks. ....100D	5.50	5.75	Drums, c/l wks. ....100D	1.25	1.50	Ref'd, 91%, drs. ....gal	...	3.50
Chy. c/l wks. ....100D	5.35	5.50	Tank cars, wks. ....net ton	18.00	20.00	Methyl, see Alcohol, Wood		
40° Single chy. wks. ....100D	6.00	6.50	Contract cars, wks. ....ton	...	...	Propyl, nml. crd 50 gal. drms.gal	...	4.40
Chy. c/l wks. ....100D	5.75	6.00	Oleum, 40% drs lc/l wks.net ton	...	40.00	Refined, 10D can.....D	...	.75
42° Single chy. wks. ....100D	6.75	7.50	Oleum, 60% drs., lc/l wks. net			Denatured		
Chy. c/l wks. ....100D	6.50	7.00	ton	...	70.00	No. 1 Complete Denat. 188 Proof		
C. P. chy. single wks. ....100D	.14	.16	Sulfurous, USP 6% 100D chy. D	.05	.06	50 gal. bbls. incl.....gal	.50	.52
Oxalic, 325D bbls. wks. ....D	.12	.12½	4% 100D chy. ....D	.04	.05	50 gal. drums, extra....gal	.45	.47
Bbls., NY .....D	.12½	.13	USP, 5 gal. demis. ....D	.06	.08	No. 1 Special Denat. 190 Proof		
Kegs, 100D NY .....D	.13	.13½	Tannic, tech. 300D bbls. ....D	...	.45	50 gal. bbl. incl.....gal	.48	.50
Imp., 500D casks. ....D	.12	.12½	USP, powd. 200D bbls. ....D	.80	.83	50 gal. drums, extra....gal	.42	.44
Phosphoric, 50% tech. 100D			USP, fluffy, 50D bbls. ....D	.80	.83	No. 5 Complete Denat. 188 Proof		
chy. ....D	.08	.09	Tartaric USP cryst 300D bbls. ....D	...	.36	50 gal. bbls. incl.....gal	.47	.49
USP, 85% syrupy, 70D			USP, powd. 300D bbls. ....D	...	.36	50 gal. drums, extra....gal	.41	.43
demis. ....D	.17	.18	Imp. USP, 240D bbls. ....D	.33	.34	No. 6 Complete Denat. 188 Proof		
Phthalic, see Phthalic Anhydride			Powd. 240D bbls. ....D	.34	.35	50 gal. bbls. incl.....gal	.43	.49
Picramic, 300D bbls. ....D	...	.65	Tobias, 250D bbls. ....D	1.00	1.10	50 gal. drums, extra....gal	.40	.42
Picric, 450D bbls. ....D	...	.80	Tungstic, 100D kegs. ....D	...	1.00	In addition to the regular author-		
Bbls. car lots wks. ....D	.30	.35	Valeric, C.P., 10D bot. ....D	4.00	4.25	ized formulae for completely dena-		
Pyrogallic, crys. 5D cans. ....D	1.10	1.20	Aconitine Alk. cryst. 1 oz. vis. oz	...	30.00	tured alcohol, some 75 formulae for		
Resublimed, 5D cans. ....D	1.50	1.60	Amorphous, 1 oz. vis. ....oz	...	20.00	specially denatured alcohol are au-		
Tech. powd., 200D bbls. ....D	...	.80	Adeps Lanæ, hydrous 350D bbls D	.21	.23	thorized for special uses. Owing to		
Salicylic, tech. 125D bbls. ....D	.32	.33	Anhydrous, 350D bbls. ....D	.23	.24	the limitations of their uses however,		
USP, 100D bbls. ....D	...	.35	Albumen, Egg, edible. ....D	1.10	1.30	prices are quoted by the alcohol		
Second Hands .....D	.34	.35	Technical, see Dyes Sundries			producers only to holders of per-		
Sulfanilic, 250D bbls. ....D	.17	.20	<b>ALCOHOL, USP 190 pf. 50 gal.</b>			mits allowing the use of specially		
<b>SULFURIC, 66° 180D chy.</b>			bbls. ....gal	4.74	4.82	denatured formulae in products au-		
lc/l wks. ....100D	1.50	1.75	Second Hands, bbls, USP 190			thorized by the Dept. of Internal Revenue.		
Chy. c/l wks. ....100D	1.25	1.50	pf. ....gal	...	...	Alotin, USP 100D cases. ....D	.87	.90
1500D Drums, lc/l			Export, USP, 190 pf. ....gal	.45	.83	Alpha-Naphthol, crude 300D bbls. D	...	.65
wks. ....100D	...	1.35	Cologne Spirit, 50 gal. bbls.gal	4.77	4.87	Refined, 300D bbls. ....D	...	.75
Drums, c/l wks. ....100D	...	1.10	<b>WOOD, see Methanol</b>			Alpha-Naphthylamine, 350D bbls. D	.35	.37
Tank cars, wks. ....net ton	15.00	17.00	Alcohols, also in 50 gal.			Ton lots, bbls, wks. ....D	...	.35
60° 1500D Drums,			drums, extra and returnable.					
lc/l wks. ....100D	.70	.80	Amyl, see Oil Fusel					
Drums, c/l wks. ....100D	.60	.80	Butyl, 50 gal. drums. ....D	.75	.80			
Tank cars, wks. ....net ton	8.00	11.00	Isobutyl, crude 50 gal. drums.gal	...	4.40			
C. P. 175D chy. ....100D	...	.09	Refined, 10D can. ....D	1.50	1.75			

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Myrabolam	Quebracho (Liquid)

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Valonea  
(Cups-Cups and Beard Mixed-Beard-Extract)

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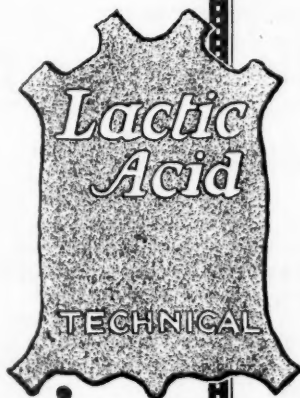
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## Chemicals

<b>ALUM.</b> Ammonia, lump 400 lb bbls.			<b>AMMONIA</b> anhyd. 100 lb cyl.... lb			<b>AMMONIUM</b> —(Continued)		
wks. ....100 lb	3.50	: 3.65	Water, 26° 800 lb dra. wks.. lb	...	: .07½	Pernulfate, 112 lb cases..... lb	.40	: .45
Imp., 500 lb casks....100 lb	3.50	: 4.00	Dra. c/l wks..... lb	...	: .07½	Phosphate, dibasic 200 lb bbls.. lb	.35	: .36
Ground, 400 lb bbls. wks.100 lb	3.65	: 3.75	C.P., chys. .... lb	...	: .14	Tech., powd. 325 lb bbls.... lb	.15	: .17
Powd., 380 lb bbls. wks.100 lb	3.90	: 4.00	Imp., 800 lb dra.incl.spot. lb	.06½	: .07	Salicylate, USP 100 lb kgs.. lb	.80	: .85
Chrome 500 lb cks wks.100 lb	5.50	: 6.00	26° 100 lb chys. lc/l wks.. lb	.08½	: .09½	Sulfate, bulk c/l wks....100 lb	...	: 3.20
Potash, lump 400 lb bbls.	...	...	Chys., c/l wks..... lb	.08½	: .09	200 lb single bgs c/l wks.100 lb	...	: 3.30
wks. ....100 lb	...	: 4.50	20° 800 lb dra. lc/l wks.. lb	...	: .06	200 lb double bgs, f.a.s.100 lb	...	: 3.65
Bbls. c/l wks....100 lb	...	: 4.25	Chys., lc/l wks..... lb	.07½	: .08	Sulfoeyanide, tech. 100 lb kgs.. lb	...	: .50
Cont. bbls. c/l wks....100 lb	...	: 4.25	18° 800 lb dra. lc/l wks.. lb	...	: .05½	CP, 25 lb jars..... lb	.75	: .80
Imp. 650 lb cases s.p....100 lb	3.00	: 3.25	Chys., lc/l wks..... lb	...	: .07½	Amyl Acetate, tech. 50 gal. dra.gal	4.50	: 4.75
Ground, 400 lb bbls. wks.100 lb	4.35	: 4.60	16° 800 lb dra. lc/l wks.. lb	...	: .04	Pure, 5 gal. cases..... gal	7.00	: 8.00
Imp. 650 lb casks.....100 lb	3.00	: 3.25	Chys., lc/l wks..... lb	...	: .07	Alcohol, see Fusel Oil	...	...
Powd., 380 lb bbls. wks.100 lb	4.50	: 4.75	Ammonium Acetate, 100 lb kgs.. lb	...	: .40	<b>ANILINE OIL</b> , 900 lb dra..... lb	.16	: .17
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00	Benzoate, USP, 1 lb bot.... lb	.98	: 1.05	Aniline Salt 200 lb bbls..... lb	.24	: .25
Soda, grd. 400 lb bbls. wks.100 lb	...	: 4.00	Elfluoride, 300 lb bbls..... lb	.22	: .23	Anthracene, 40-45% 600 lb casks	...	...
Bbls. c/l wks....100 lb	...	: 3.50	100 lb kgs..... lb	.23	: .24	wks..... lb	.12	: .17
Aluminum, metal, c/l NY....100 lb	25.00	: 26.00	Bromide, 50 lb boxes..... lb	...	: .33	80-85% 600 lb casks wks.. lb	.75	: 1.00
Chloride, anhyd. 275 lb dra.. lb	.20	: .22	Imported, 112 lb boxes..... lb	.17½	: .18½	Anthraquinone, subl 125 lb bbls.. lb	1.30	: 1.35
30% sol. 120 lb chys..... lb	.03½	: .04	Carb., tech. 560 lb casks..... lb	...	: .09	30% paste 350 lb bbls..... lb	.80	: .85
Hydrate 96% light 90 lb bbls.. lb	.18½	: .20	Powd., tech. 385 lb bbls.. lb	...	: .09½	Antimony metal, slabs ton lots100 lb	7.50	: 7.62
<b>SULFATE</b> , Iron-free bags c/l	...	...	USP, lump, 100 lb kgs..... lb	...	: .09½	Needle Powd., 100 lb cases..... lb	.06½	: .06½
wks. ....100 lb	2.25	: 2.40	Powd., 100 lb kgs..... lb	...	: .10½	<b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb	...	...
Imported, spot.....100 lb	...	: 2.25	Chloride, Domestic	...	...	dra..... lb	...	: .35
Comm'l., ¼% iron, bgs. c/l	...	...	White gran. 250 lb bbls.NY.. lb	...	: .08	50 lb crocks..... lb	.45	: .48
wks. ....East 100 lb	...	: 1.40	Bbls., c/l wks..... lb	...	: .07½	Sol'n, 130 lb carboys..... lb	...	: .11
Cont. bgs. c/l wks. E.100 lb	...	: 1.40	Gray 250 lb bbls. wks..... lb	.08½	: .08½	Oxide, 500 lb bbls..... lb	.07	: .07½
Bags, c/l wks. W....100 lb	...	: 1.35	Bbls., c/l wks..... lb	.08	: .08½	Salt, dom. 500 lb bbls..... lb	.24	: .25
Bbls., c/l wks. East.100 lb	...	: 1.55	Imp. wh. 600 lb cases spot.. lb	.06½	: .06½	Imp., NY..... lb	.23	: .24
Bulk, c/l cont. wks. E.100 lb	...	...	Gray, 600 lb casks spot.. lb	.07	: .08	Sulfuret. golden 500 lb bbls.... lb	...	: .21
Amidol, (see Diaminophenol)	...	...	Lump, 500 lb casks spot.... lb	.13	: .14	336 lb kgs..... lb	...	: .19
Amidopyrine, 10 lb boxes..... lb	4.50	: 4.75	Ichthyolate, as to brand..... lb	3.75	: 4.00	Crimson, 500 lb bbls..... lb	...	: .38
1 lb cartons, 10 lb..... lb	...	...	Iodide, USP, 25 lb jars..... lb	...	: 5.20	336 lb kgs..... lb	...	: .36
Aminobenzene, 110 lb kgs.... lb	...	: 1.15	Lactate, 500 lb bbls..... lb	.15	: .16	Red, 500 lb bbls..... lb	...	: .45
			Nitrate, tech. crys. 225 lb bbls lb	...	...	336 lb kgs..... lb	...	: .42
			Refined Crystals, bbls..... lb	.18	: .20	Tartritolactate, 500 lb bbls.... lb	...	: .45
			CP gran. 100 lb kgs..... lb	.35	: .37	Antipyrine, USP, 100 lb cases... lb	2.35	: 2.50
			Oxalate, pure, 100 lb kgs.... lb	.40	: .42	Apomorphine Hydrochloride, ¼ oz. via.oz	19.10	: 19.35
						Arecoline Hybromide, 1 oz. vial..oz	9.00	: 10.50
						Argols, red powd. 350 lb bbls... lb	.06½	: .07

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Silver Proteinates  
Sodium Cacodylate  
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Strophanthin  
Strychnine and Salts  
Theobromine and Salts  
Veratrine and Salts  
Yohimbin Hydrochloride

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## Chemicals

Arsenic, metal 220 lb kegs.....lb	..	.42	Benzidine base, dry 250 lb bbls..lb	..	.82	BISMUTH—(Continued)		
Red. 224 lb kegs cases.....lb	..	.15	10 bbl lots.....lb	..	.80	Subiodide, 5 lb lots.....lb	..	4.70
White, 550 lb bbls., c/l NY.....lb	..	.10	Benzidine Sulfate, paste 350 lb bbls.....lb	..	.70	Subnitrate, USP, 250 lb bbls.....lb	..	2.90
Aspirin, see Acid Acetylsalicylic						Second Hands, bbls. or less..lb	..	2.80
Atropine Alk. USP, 1 oz. vial.....oz	7.50	: 8.00	Benzol, see Benzene			Cones, 1 lb bot.....lb	..	3.95
Sulfate, 5 oz. cans.....oz	..	4.00	Benzonaphthol, 5 lb boxes.....lb	3.50	: 3.60	Subsalicylate, USP, 175 bbls..lb	..	3.10
Single ounce.....oz	..	4.17	Benzoyl Chloride, 500 lb drs.....lb	..	1.00	Tannate, 1 lb bot.....lb	..	2.73
BARIUM BINOXIDE, see Barium dioxide			Benzyl Acetate, 100 lb clys.....lb	1.40	: 1.50	above on basis 25 lb lots		
Carbonate, precip., 800 lb bbls.			Alcohol, 5 lb bot.....lb	1.60	: 1.70	Smaller lots at an advance.		
wks.....ton	..	70.00	Benzate, 5 lb bot.....lb	1.50	: 1.60	Blanc Fixe, dry 400 lb bbls, wks.ton	75.00	: 80.00
Imports,.....ton	77.00	: 78.00	Medicinal FFC.....lb	1.75	: 1.85	Imported, bbls.....ton	70.00	: 72.00
Precip., 200 lb bgs, wks.....ton	68.00	: 70.00	Chloride, 95% tech. 925 lb drs..lb	..	.30	Paste, 650 lb bbls.....ton	50.00	: 53.00
Chloride, 500 lb bbls, wks.....ton	..	90.00	100 lb clys.....lb	.30	: .35	BLEACHING POWDER, 700 lb drs.		
200 lb bgs, wks.....ton	88.00	: 90.00	Redistil. 100 lb clys.....lb	.40	: .45	c/l wks.....100 lb	1.50	: 1.75
Import, bbls., spot.....ton	82.00	: 83.00	Formate, 1 lb bot.....lb	4.00	: 4.25	Drums 1c/l ex-warehouse.....100 lb	2.00	: 2.25
Dioxide, 88% 690 lb drs.....lb	.17	: .18	Berberine Hydrochloride, 1 lb bot.....lb	..	22.50	Contract, c/l wks.....100 lb	..	1.75
Import, 83-85% 400 lb drs..lb	.14	: .16	Sulfate, acid or neut. 1 lb bot..lb	..	22.00	F. a. a. c/l.....100 lb	..	..
Hydrate, 500 lb bbls.....lb	.05	: .06	BETA-NAPHTHOL, 350 lb bbls, wks..lb	.22	: .23	Imported, spot.....100 lb	..	..
Iodide, 5 lb box.....lb	..	5.15	Ton lots, wks.....lb	..	.21	Rose Ointment, see Mercury		
Nitrate, 700 lb casks.....lb	..	.10	Sublimed.....lb	.55	: .60	Mass, see Mercury		
Import casks.....lb	.07	: .08	Beta-Naphthylamine, tech. 200 lb.			Rose Ash, 100 lb kegs.....lb	..	.04
Sulfocyanide 400 lb bbls.....lb	..	.35	ous.....lb	..	.76	Black, 200 lb bbls.....lb	.06	: .06
Barytes, floated 350 lb bbls.....ton	33.50	: 35.00	Sublimed, 200 lb bbls.....lb	..	1.35	Borax, USP, crys. 400 lb bbls..lb	.05	: .06
Bay Rum, Porto Rican, genuine			Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb bbls..lb	.05	: .06
Denat. salicy acid or tartar emetic			BISMUTH metal, 150 lb cases.....lb	2.80	: 2.85	Kegs, USP, 100-150 lb.....lb	.06	: .06
45 gal. bbls.....gal	2.75	: 3.00	Second Hands.....lb	2.80	: 2.85	Bordeaux Mixture, powd. bbls..lb	.12	: .15
Denat. quinine sulf. 45 gal.			Ammon. Citrate, USP 5 lb bxs..lb	..	5.75	Paste, bbls.....lb	.08	: .10
bbls.....gal	2.85	: 3.00	Betanaphtholate, 5 lb bxs.....lb	..	3.35	Borneol, 1 lb bot.....lb	..	3.50
Domestic synthetic. 50 gal.			Citrate, USP 5 lb bxs.....lb	..	3.15	Bromide, see potass. bromide, etc.		
bbls.....gal	1.10	: 1.25	Nitrate, 25 lb jars.....lb	..	2.00	Bromine, bot. in 60 lb cs. wks..lb	..	.39
Benzaldehyde, tech. 945 lb drs.			Oxychloride, 250 bbls.....lb	..	3.50	Bromobenzene, 600 lb drums.....lb	.40	: .42
wks.....lb	.75	: .80	Phenolsulfonate, 5 lb cans.....lb	..	3.20	Bromoforn, USP 5 lb bot 50 lb cs..lb	..	1.50
USP, 40 lb clys.....lb	1.50	: 1.60	Salicylate, 250 bbls.....lb	..	2.00	Brucine Sulfate, 100 ozs.....oz	..	.20
FFC, 40 lb clys.....lb	1.75	: 1.85	Subcarbonate, USP, 250 bbls..lb	..	3.40	Rutter of Antimony, see Antimony Chloride		
BENZENE, 90% 8000 gal. tanks			X-Ray diag. 1 lb bot.....lb	..	3.80	CADMIUM, metal 100 lb bxs.....lb	1.20	: 1.25
wks.....gal	.22	: .23	Subgallate, USP 175 lb bbls..lb	..	2.80	Bromide, 50 lb cases jars.....lb	..	1.10
110 gal. drs. wks.....gal	.27	: .29				Iodide, 10 lb bot.....lb	..	4.45
Pure, Tanks, wks.....gal	.24	: .26				Sulfide, cs.....lb	1.50	: 1.60
110 gal. drs. wks.....gal	.29	: .31						

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Salt Cake

Tin Crystals

Sodium Sulphide

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## Chemicals

CAFFEINE ALK, USP 5 lb cans..lb	4.00	: 4.25	CAMPOR, Amer. ref. 250 lb			Chalk, drop 175 lb bbls.....lb		: .03 1/4
Second Hands.....lb	3.65	: 3.75	bbls.....lb		: .93	Precip. light 250 lb cks.....lb	.04 1/4	: .04 1/4
Hydrochloride, 1 lb bot.....lb	7.12	: 7.32	2 1/2 lb slabs, 100 lb cs.....lb		: .94	Precip. heavy 560 lb cks.....lb	.03 1/4	: .04
Sulfate, 1 lb bot.....lb		: 5.50	1 lb cakes, 100 lb cs.....lb		: .94 1/4	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....lb	3.00	: 3.10	1 oz. tab., 1 lb ctns.			Precip. English, 7 lb bags.....lb		: .07 1/4
Hydrobromide, 1 lb bot.....lb		: 4.75	100 lb cs.....lb		: .98 1/4	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/2 oz. tab., 1 lb ctns.		: .99	Wood, powd. 100 lb bbl.....lb	.04	: .05
wks.....100 lb		: 4.00	100 lb cs.....lb		: .88	Willow, powd. 100 lb bbl.....lb	.06	: .07
Arsenate, 100 lb bbls. c/l wks..lb	.13	: .14	Jap. ref. 2 1/2 lb slabs, 100 lb		: .80	China Clay, imp.....ton	16.00	: 22.50
Bbls. lc/l wks.....lb	.14	: .16	cs.....lb		: 1.01	Domestic, fob Mine.....ton	10.00	: 15.00
Bromide, 100 lb cs.....lb		: .44	1 oz. tab., 100 lb cs. 1 lb		: 1.03	Chloral Hydrate, USP 100 lb drs..lb	.70	: .75
Calcium Carbide, 220 lb dr c/l wks..lb		: .04 1/4	tins.....lb		: 1.03	25 lb jars.....lb	.73	: .80
Drums lc/l wks.....lb		: .05	1/2 oz. tab. 100 lb cs. 1 lb		: 1.03	Chinoidin, 170 lb cases.....lb	.65	: .75
Carbonate, tech. 100 lb bags			Chinese ref. 2 1/2 lb slabs 100 lb		: .90	Chloramine-T, 5 lb bot.....lb	1.25	: 2.50
c/l.....100 lb	1.00	: 1.10	cs.....lb		: .72	Chlorocane, 5 lb bot.....lb	.55	: .75
USP, precip. 175 lb bbls.....lb		: .04	Crude, 100 lb cs.....lb		: .73	Chlorhydrin, Ethylene anhyd, 600 lb		
Chloride, solid, 650 lb drs. c/l			Campor, Monobrom. 100 lb cs..lb	1.75	: 1.85	drs.....lb	.75	: .85
f.o.b. NY.....ton		: 24.50	Caramel, 50 gal. bbls.....gal	.60	: .62	40% soln. 100 lb chys.....lb	.25	: .30
Gran., 350 lb drs. c/l f.o.b.			Carbasol, 250 lb bbls.....lb	.75	: .80	CHLORINE, Liquid 2000 lb cyl.		
NY.....ton		: 30.50	Carbon Bisulfide, 500 lb dr., lc/l NY		: .06 1/4	c/l wks.....lb	.05 1/4	: .05 1/4
Flake 330 lb drs. c/l f.o.b.			c/l drums, NY.....lb		: .08	Tank car lots wks.....lb	.05 1/4	: .05 1/4
NY.....ton		: 30.50	Carbon Black, 12 1/2 lb bags, wks..lb	.18	: .35	100 lb cyl. c/l.....lb		: .06
Anhyd., 350 lb drs. f.o.b. NY..lb	.13	: .20	Carbon Tetrachloride, 1400 lb drs.			100 lb cyl lc/l wks.....lb	.06 1/4	: .07
Glycerophosphate, 250 lb bbls..lb	1.50	: 1.60	NY.....lb		: .10 1/4	100 lb cyl. lc/l, ex-warehouse..lb		: .09
Hydrate, (see Lime)			Drums, c/l NY.....lb	.09	: .09 1/4	Chlorobenzene, mono. 1000 lb drs.		
Iodide, 5 lb bot.....lb		: 4.35	700 lb drs. single NY.....lb		: .10 1/4	wks.....lb	.11	: .12
Lactate, tech. 500 lb bbls.....lb		: .13 1/4	Carmine, No. 40 5 lb boxes.....lb	4.75	: 4.85	Dr. c/l wks.....lb	.10	: .11
U.S.P.....lb	.50	: .60	Caseln, edib. 100 lb keg.....lb	.40	: .45	Tank car lots wks.....lb		: .09
Nitrate, 220 lb bbls, c/l NY..ton		: 40.00	Technical, 200 lb bbls.....lb	.15 1/4	: .16 1/4	CHLOROFORM, USP 50 lb drs..lb		: .35
Phosphate, tech. 350 lb bbls..lb	.09	: .10	Castoreum, 1 lb boxes.....lb	4.00	: 4.50	Second Hands, 650 lb drs.....lb	.31	: .33
Phosphate, precip. tribasic 200			Castor Oil, USP 50 gal. bbl.....lb		: .13 1/4	Technical, 650 lb drums.....lb	.32	: .33
lb bbls, wks.....lb	.10	: .11	Cases, 80 lb 2 tins.....lb		: .14	Chromium Acetate, 20° soln. 400 lb		
Phosphate, mono.....lb	.07	: .09	Tech., see Fixed Oils			bbls.....lb	.08	: .10
Sulfocarbonate, 100 lb kegs.....lb	.60	: .62	Caustic Potash, see potash, caustic			Fluoride, Powd. 400 lb bbls.....lb		: .80
Calomel, see Mercury			Soda, see soda, caustic			Soln. 400 lb bbls.....lb		: .07
			Cellulose Acetate, 100 lb cases..lb	1.75	: 2.00	Sulfate, 400 lb bbls.....lb	.07	: .09
			Cerium Oxalate, USP 100 lb kgs..lb		: .43	Chrysarobin, USP, 5 lb cans.....lb	2.00	: 2.15
						Cinchonidin alk., pwd. 100 oz. tinsos		: .70
						Crystal.....oz		: .75
						Sulfate, 100 oz. tins.....oz		: .50

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ALUM (Potash)  
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 AMMONIUM CHLORIDE  
 BARIUM CARBONATE  
 BARIUM CHLORIDE  
 BARIUM SULPHOCYANIDE  
 CALCIUM CHLORIDE  
 FORMIC ACID  
 GLAUBERS SALT

**Liquid Chlorine**

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**EBG**



## Chemicals

Cinchonidin alk., pwd. 100 oz. tinsos	...	.70	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs. lb	.20	: .25
Crystal	...	.43	NY	13.50	: 13.62	CP drums	.40	: .50
Sulfate, 100 oz. tins	...	.25	Lake, c/l NY	13.62	: 13.75	Digitalin, Pure, 1 oz. vial	10.00	: 10.25
Citric Acid, see Mercury			Casting, c/l NY	...	: 13.50	Dimethylaniline, 840 lb drs. wks. lb	.40	: .41
Coal Tar, Tks. & bbls., wks. gal	.08	: .08	Carbonate, 400 lb bbls.	.17½	: .18	Dimethylsulfate, 100 lb drs.	...	: .50
Cobalt metal, 100 lb kegs.	2.75	: 2.85	Chloride, 250 lb bbl.	...	: .28	Dinitrobenzene, 400 lb bbls.	.10	: .20
Cobalt Oxide, 500 lb bbls.	...	: 2.10	Cyanide, 100 lb drs.	.58	: .60	Dinitrochlorobenzene, 400 lb bbls.	.10	: .20
10 lb tins 200 lb cases.	...	: 2.35	Iodide, 5 lb bot.	...	: .65	Dinitronaphthalene, 350 lb bbls.	.32	: .34
COCOAINE alk., USP, 1 oz. vial.	...	: 10.00	Oxide, 1000 lb bbls. ton lots.	.17½	: .18	Dinitrophenol, 350 lb bbls.	...	: .40
Hydrochloride, USP—1 oz. vials			Sub-acetate, vend. 440 lb bbls.	.23	: .23	Dinitrotoluene, 300 lb bbls.	.19	: .21
25 oz.	...	: 7.07	SULFATE, crys. 450 lb bbls. lc/l			Dionin, see Morphine, Ethyl		
In ½ oz. vials.	...	: 7.50	spot	5.10	: 5.20	Diphenylamine, 250 lb bbls.	.48	: .50
In crystals, granular, powder, or flaky crystals as desired.			Carlots, bbls. f.o.b. NY. 100 lb	5.00	: 5.10	Diphenylguanidine, 170 lb bbls.	1.15	: 1.20
Cocoa Butter, bulk, 200 lb bales. lb	.26	: .26½	Carlots, bbls. delivered. 100 lb	...	: 5.30	Dover's Powder, USP 5 lb tins.	2.20	: 2.30
Fingers, cakes, etc. 12 lb bxs.	.34	: .35	Imp. 550 lb cshs.	4.50	: 5.00	Duboisine Sulfate, 1 oz. vial.	...	: 55.00
CODEIN alk., 1 oz. vial. 10 oz.			Powdered, 350 lb 5 bbls.	.06	: .06½	EARTH, Diatomaceous, see Kieselguhr		
lots	...	: 8.62	Copperas, bulk c/l wks.	20.00	: 21.00	Emetine, alk., 15 gr. vls.	...	: 1.65
Hydrobromide, 1 oz. vial, 10 oz.			400 lb bbls. c/l wks.	...	: 25.00	Hydralide, USP 1 oz. vial.	18.00	: 19.00
lots	...	: 6.92	200 lb bgs. c/l wks.	4.50	: 5.00	15 gr. vials.	...	: .82
Hydrochloride, 1 oz. vial, 10 oz.			Powdered, bbls.	1.80	: 2.00	EPSOM SALT, tech. 300 lb bbls.		
lots	...	: 7.77	Sugar, 400 lb bbls.	1.50	: 1.75	NY	...	: 2.15
Nitrate, 1 oz. vial, 10 oz. lots.	...	: 7.77	Corn Syrup, 42 deg. 50 gal.	...	: 3.51	Bbls. c/l NY	...	: 2.00
Phosphate, 1 oz. vial, 10 oz.			bbls.	...	: 3.56	100 lb bgs. c/l NY	...	: 1.80
lots	...	: 6.47	43 deg. 50 gal. bbls.	...	: 3.56	Imp., 220 lb bgs. c/l		
Salicylate, 1 oz. vial, 10 oz.			Corrosive Sublimate, see Mercury Bichloride			NY	1.00	: 1.10
lots	...	: 6.47	Cotton Soluble, 100 lb bbls. wet. lb	.40	: .42	USP, 300 lb bbls. 10 bbls. 100 lb	...	: 2.50
Sulfate, 1 oz. vial, 10 oz. lots.	...	: 6.92	Coumarin, 25 lb tins.	4.50	: 4.65	Carlots, bbls.	...	: 2.15
Small sizes, ¼ oz. vials, 50c extra, ½ oz. 25c extra, single 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 ozs. 15c oz. higher than above.			Second Hands	...	: 4.35	Imported, 400 lb bbls.	1.75	: 2.00
COD LIVER OIL, Norwegian, 30 gal.			CREAM TARTAR, USP, 300 lb			100 lb kegs.	1.85	: 2.10
bbls.	24.00	: 25.00	bbls.	...	: .26	Ergotin, Bonjean, 1 lb jars.	6.00	: 6.35
Newfoundland, 30 gal. bbls.	...	: ...	Imp. powd. USP, 224 bbls.	.24½	: .25	Eserine alk., 1 oz. vial.	...	: 30.00
Colechicine alk., USP 1 oz. vial.	...	: 30.00	Cresote, USP, 42 lb chys.	.40	: .45	Salicylate, USP 1 oz. vial.	...	: 22.00
Salicylate, 1 oz. vial.	...	: 45.00	Carbonate, 1 lb bot. 25 lb	1.80	: 2.00	Sulfate, USP VIII, 1 oz. vial.	...	: 17.00
Colloidion USP 30 lb drums.	...	: .23	Cresote Oil, 50 gal. drs.	.20	: .22	ETHER, USP 55 lb drums.	...	: .13
Flexible, USP 30 lb drums.	.23	: .27	Cresol, USP 400 lb bbls.	...	: .36	Anaesthesia, 55 lb drums.	...	: .16
			Cyanamide, bulk c/l wks. Ammunit	...	: 2.25	USP, 1880 55 lb drums.	...	: .38
			DIAMINOPHENOL, 100 lb kegs.	...	: 3.80	Washed, 55 lb drums.	...	: .30
			Dianisidine, 100 lb kegs.	...	: 4.60	Motor, 1 lb cans.	.24	: .27
			Dichlorobenzene, 1000 lb drs.	.06	: .07	Ether, Nitrous, 1 lb bot.	.92	: .95
			Diethylaniline, 850 lb drs.	.60	: .65	...	...	: 1.30
			Diethyl Phthalate, 25 lb cans.	.35	: .65			
			1000 lb drs.	.45	: .50			

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Ethyl Acetate, 99%, 50 gal. drs. gal	1.05	: 1.15	Gelatin, USP silver bbl, 100 lb. ca. lb	.85	: .90	Hydrastinine Hydchlde, USP 15 gr.		
85-90% Ester, 50 gal. drs. gal	...	: .95	Gold Label, 100 lb. cases..... lb	...	: ...	vials..... vial	...	: 2.40
Carlots, drums..... gal	...	: .92	Technical, 100 lb. ca..... lb	.60	: .65	Hydrobenzene, 100 lb. kegs..... lb	1.30	: 1.35
Tank Cars..... gal	...	: .90	GLAUBER'S SALT, tech. 200 lb. bags			HYDROGEN PEROXIDE, 25 vol. 400 lb		
Pure, 5 lb. bot..... gal	...	: 3.50	1c/l wks..... 100 lb	1.15	: 1.25	bbls..... lb	...	: .10
Bromide 115 lb. drs..... lb	...	: .40	350 lb bbls. c/l wks..... 100 lb	1.30	: 1.35	USP Soln. 375 lb bbls..... lb	...	: .05 1/4
Chloride, 15 lb. cyl..... lb	...	: .35	Bbls. 1c/l wks..... 100 lb	1.50	: 2.00	USP bot. 4 oz. cases..... gross	8.00	: 8.25
Methyl Ketone, 50 gal. drums. lb	.25	: .25 1/4	Imported, bbls. spot..... 100 lb	.75	: .90	Bot. 8 oz. cases..... gross	11.75	: 12.00
Morphine, see Morphine, Ethyl			USP, 300 lb bbls. imp. sp. 100 lb	...	: 1.25	Bot. 16 oz. cases..... gross	19.75	: 20.00
Ethylene Bromide, 600 lb. drs..... lb	...	: .60	USP, 300 lb bbls. dom. sp. 100 lb	...	: 1.75	Hydroquinone, 100 lb. kegs..... lb	1.40	: 1.50
Glycol..... lb	.65	: 1.00	USP, 300 lb bbls. c/l wks. 100 lb	...	: 1.40	Hyocine Hydrobrom. USP 1 oz.		
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	: .85	Glucose, (Grape Sugar) dry, 100			vial..... oz.	...	: 21.00
40% Solution, 50 gal. bbls. lb	.25	: .50	70° bags, c/l NY..... 100 lb	3.11	: 3.46	Five ozs., 1 oz. vials..... oz	...	: 20.50
Dichloride, 50 gal. drs..... lb	.20	: .25	Syrup, Dra. & bbls, c/l NY 100 lb	...	: 3.41	Hyoscamine Alk. Cryst., 1 oz. vial. oz	...	: 35.00
Eucalyptol, 25 lb. cases..... lb	.75	: .80	1c/l NY..... 100 lb	...	: 3.70	Alkaloid, Amorphous, 1 oz. vial. oz	...	: 75.00
Feidapar, bulk..... ton	20.00	: 25.00	GLUE, pure white, bbls..... lb	.30	: .35	Hydrobromide, USP 1 oz. vial. oz	...	: 60.00
FERRIC CHLORIDE, tech. crys.			Medium white, bbls..... lb	.25	: .30	Sulfate, 1 oz. vial..... oz	...	: 35.00
475 lb bbls..... lb	...	: .08	French, bbls..... lb	.18	: .25	INDOL, C. P. 1 oz. bot..... oz	6.00	: 6.50
Imported..... lb	...	: .07	High Grade, bbls..... lb	.35	: .40	Iodides, see Potass. Iodide, etc.		
USP, crys. 100 lb. kegs..... lb	...	: .09	Bone, regular, bbls..... lb	.10	: .12	IODINE, crude, 200 lb. kegs..... lb	4.05	: 4.10
Imported..... lb	...	: .08	Flash, bbls..... gal	1.50	: 1.75	Resublimed, 10 lb. jars..... lb	...	: 4.55
Neut. Sol'n 40° 140 lb. chys. lb	...	: .06 1/4	GLYCERIN, C. P. 550 lb. drums. lb	.17	: .17 1/4	Tincture, USP, 50 gal. bbls. gal	4.40	: 4.50
48° 140 chys. lb	...	: .08	Cans, 50 lb..... lb	.18	: .19	Carboys..... gal	4.55	: 4.65
USP Sol'n 125 lb. chys. lb	...	: .06 1/4	Dynamite, 100 lb. drs..... lb	.16	: .16 1/4	Iodoform, powd. 10 lb. bot..... lb	...	: 6.00
Ferrous Chloride, crys. tech.			Saponification, tans..... lb	.12 1/4	: .13	Crystals, 10 lb. bot..... lb	...	: 7.00
475 lb bbls..... lb	.08	: .08 1/4	Soap, Lye tanks..... lb	.11	: .11 1/4	Iridium, metal 10 oz. lots..... oz	...	: 250.00
Ferrous Sulfide, 1000 lb. bbls. 100 lb	2.50	: 3.00	Goa Powder, see chrysarobin			Iron, metal by hydrogen 1 lb. bot. lb	.65	: .70
Flake White, see lead, white			Graphite, crude 220 lb. bags..... ton	15.00	: 35.00	IRON & AMM. CITRATE, USP 25 lb		
Floccspar, 95% 220 lb. bgs. ex			Flake, 500 lb. bbls..... lb	.05	: .09	cans..... lb	...	: .84
dock..... ton	...	: 25.00	Ground, lump, bbls..... lb	.04	: .05	Green scales, 25 lb. cans..... lb	...	: .84
96% bgs..... ton	...	: 33.50	Guaiacol liquid, USP, 25 lb. cans. lb	2.35	: 2.50	Cacodylate, 10 lb. bot..... lb	6.50	: 6.75
98% bgs..... ton	...	: 35.00	Benzonate, 1 lb. bot..... lb	...	: 18.00	Citrate, USP VIII 25 lb. cans..... lb	...	: .99
FORMALDEHYDE, USP 400 lb. bbls.			Carbonate, 5 lb. boxes..... lb	5.00	: 5.25	Chloride, see ferric or ferrous		
c/l wks..... lb	...	: .13	HAARLEM OIL, Dom. 6 gr. cs. gross	...	: 3.50	Hypophosphite, 5 lb. cans..... lb	1.50	: 1.60
Carboys, 100 lb. 1c/l wks..... lb	...	: .14	Imported, 5 gr. cases..... gross	5.30	: 5.25	Syrup, USP VIII..... lb	...	: .80
Bbls., 400 lb. 1c/l wks..... lb	...	: .14 1/4	Halazone, 5 lb. bot..... lb	2.75	: 3.25	Iodine, 1 lb. bot..... lb	...	: 4.20
Second Hands..... lb	.12 1/4	: .13	Hexamethylenetetramine, USP			Syrup, USP 5 lb. bot..... lb	...	: .35
Fuller's Earth, 200 lb. bgs. c/l			100 lb. drums..... lb	.91	: .93	Nitrate, kegs..... lb	.09	: .10
mines..... ton	15.00	: 17.00	Imported..... lb	.75	: .80	Com'l, bbls..... 100 lb	2.75	: 3.35
Imported, 230 lb. bags NY..... ton	35.00	: 40.00	Rubber Makers, Impalp. Pd.	.95	: .97 1/4	Oxalate scales 25 lb. cans..... lb	.85	: .88
Fusel Oil, refined, 100 gal. drum. gal	...	: ...	Homatropine Hydrobrom. USP 1 oz.	...	: 16.00	& Ammon. Oxalate 25 lb. bxs. lb	.47	: .50
Crude, 100 gal. drum..... gal	...	: ...	vial..... oz	...	: 15.00	& Potassium Oxalate, 25 lb. bxs. lb	.45	: .47
G SALT, paste 350 lb. bbls. basic			Five ozs., 1 oz. vials..... oz	...	: 20.00	& Sodium Oxalate, 25 lb. bxs. lb	.41	: .43
100%..... lb	.60	: .65	Hydrastine Alk. USP 1 oz. vial. oz	...	: 20.00	Phosphate, USP 25 lb. cans..... lb	...	: .89
			Hydchlde, USP, 1 oz. vial..... oz	...	: 20.00	Pyrophosphate, USP 25 lb		
			Sulfate, 1 oz. vial..... oz	...	: 22.00	cans..... lb	.94	: .96

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## Chemicals

JALAP RESIN, lump 5 lb tins..D	3.25	: 3.35	Linalool, 5 lb bot.....D	5.50	: 6.50	Manganese—(continued)		
Powd. tins.....D	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....D	...	: 2.85
KIESELGUHR, 90 lb bags NY...ton	60.00	: 70.00	Lithium Carb. USP 100 lb kgs..D	1.50	: 1.60	Hypophos. USP VIII 5 lb cans.D	...	: 1.65
LANOLIN, see Adeps Lanae			Bromide, 100 lb cs.....D	1.75	: 1.85	Iodide, 1 lb bot.....D	...	: 6.40
LEAD, metal c/l NY.....100 lb		: 7.10	Citrate, USP 100 lb kgs....D	1.70	: 1.75	Ore, bulk NY.....unit	.40	: .45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....D	...	: 5.40	Sulfate, 600 lb casks NY.....D	.10	: .11
bbis. wks.....D	...	: .14	Lithopone, 400 lb bbis. 1c/l wks.D	.07½	: .08	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb kgs. wks.D	...	: .14½	bbis. c/l wks.....D	...	: .07	See also Calcium Carbonate		
White, broken, bbis. wks.100 lb	...	: 13.40	Imported, 400 lb bbis.....D	.06	: .06½	MENTHOL, USP, 60 lb cases....D	17.50	: 18.00
White, gran., bbis., wks.100 lb	...	: 13.65	Litmus Cubes.....D	.90	: 1.00	Less cases, 5 lb tins.....D	18.00	: 18.50
White, powd., bbis. wks....D	...	: .14½	MAGNESITE, crude.....ton	...	: 15.00	MERCURY, metal 75 lb flask..flask	60.50	: 61.00
Keps. wks.....D	...	: .15½	Calcined, 500 lb bbis.....ton	...	: 55.00	Less Flasks, 5 lb jugs.....D	1.02	: 1.04
Brown, broken, bbis. wks....D	...	: .12½	Magnesium mtl., sticks 100 lb cs.D	1.25	: 1.30	Bichloride, cryst. 25 lb bxs...D	...	: 1.17
USP, 100 lb kgs.....D	...	: .17	Carb. tech. 70 lb bags NY...D	.08	: .08½	Gran. powd., 200 lb kgs..D	...	: 1.02
Arsenate, 100 lb bbis. 1c/l wks.D	...	: .25	75 lb bbis. NY.....D	.08½	: .09	Bisulfate, 25 lb boxes.....D	...	: .86
bbis. c/l wks.....D	.20	: .31	USP, 60 lb bbis.....D	.10	: .11	Blue Mass, 25 lb boxes.....D	...	: .63
Paste, 600 lb bbis.....D	.12	: .13	USP, blocks 100 lb cs. 1, 2, 4	...	: .19	Powdered, 25 lb boxes.....D	...	: .64
Iodide, USP VIII 5 lb bot....D	3.20	: 3.40	os.			Blue Ointment, USP 25 lb cans		
Nitrate, 500 lb bbis. wks....D	...	: .22	Chloride, fused 575 lb drs. c/l	...	: 34.00	50%.....D	...	: .77
Oxide, lithge, 500 lb bbis. 100 lb	10.90	: 11.15	wks.....ton	...	: 36.00	USP, dilute 25 lb cans 30%..D	...	: .57
100 lb kgs. wks.....D	...	: .14½	Flaked, 350 lb drs. wks c/l ton	...	: 36.00	38 1/3% Mercury.....D	...	: .67
Oxide, red 500 lb bbis. wks....D	11.40	: 11.65	Imp., fused 900 lb bbis. NY ton	26.00	: 28.00	Calomel, 50 lb bxs.....D	...	: 1.25
100 lb kgs wks.....D	...	: .14½	Fluorsilicate, crystals 400 lb bbis.	...	: .15	Citrine Ointment 25 lb jars..D	...	: .50
Peroxide, 100 lb drs.....D	...	: .26	wks.....D	...	: .07	Iodide, green 25 lb jars.....D	...	: 4.00
White, basic carb. 500 lb bbis.	...		30% soln. 500 lb bbis. wks.D	.07	: .07½	Red, USP 25 lb jars.....D	...	: 4.10
wks.....D	.09½	: .10	Soln. bbis. c/l wks.....D	...	: .06	Yellow, USP VIII 25 lb jars..D	...	: 4.00
bbis. c/l wks.....100 lb	...	: .09½	Glycerophosphate, 5 lb tins....D	...	: 3.15	Red Precip. USP 25 lb bxs...D	...	: 1.38
100 lb kgs wks.....D	...	: .14½	Hypophosphite, 5 lb cans....D	...	: 1.15	Powder, USP 25 lb bxs.....D	...	: 1.48
White, sulfate 500 lb bbis. wks.D	...	: .09½	Oxide, USP light 100 lb bbis..D	...	: .42	White Precip. USP 25 lb bxs..D	...	: 1.49
bbis. c/l wks.....100 lb	...	: 9.35	USP, heavy 250 lb bbis.....D	...	: .60	Powder, USP 25 lb bxs.....D	...	: 1.54
Licorice Ext. Mass, cases.....D	.25	: .26	Peroxide, 5 lb cans.....D	...	: 2.15	With chalk, USP 25 lb bxs...D	...	: .63
Compound powder, bbis.....D	.11	: .13	Perborate, 1 lb tins.....D	...	: 2.25	Meta-Nitroaniline, 300 lb bbis..D	.78	: .80
Powdered.....D	.38	: .40	Salicylate, 100 lb kgs.....D	...	: .75	Meta-Nitro-para-Toluidine, 300 lb		
Sticks, 1 oz. 100 lb cases.....D	.45	: .50	Sulfate, see Epsom Salts			bbis.....D	...	: 2.30
LIME (Salts, see Calcium Salts)			Manganese Chloride, 600 lb esk.			Meta-Phenylenediamine, 300 lb		
Live, 325 lb bbis. ton lots, wks.D	...	: .01½	NY.....D	.09½	: .10	bbis.....D	.96	: .98
Single bbl. wks.....D	...	: .01½	Borate, 30%, 200 lb bbis....D	...	: .24	Meta-Toluylenediamine, 300 lb		
Hydrated, 167 lb bbl, ton lots,			100 lb kgs.....D	...	: .25	bbis.....D	.89	: .90
wks.....D	...	: .01½	Dioxide, 80-84% 900 lb bbis.					
Single bbl. wks.....D	...	: .01½	NY.....ton	80.00	: 85.00			
Oyster Shell, 150 lb bbl, single..D	...	: .03	85-90%, 900 lb bbis. NY ton	85.00	: 90.00			
125 lb bag.....D	...	: .03	Hydrated, precip. 100 lb kgs.D	.32	: .35			
ulfur, dry 200 lb drs. NY....D	.08	: .10						
Drx. c/l NY.....D	...	: .10½						
33% Soln. 50 gal. bbis. NY.gal	.15	: .16						

# "Baker's"

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Acid Molybdic  
Acid Phosphoric, anhydride  
Ammonium Molybdate, cryst.  
Ammonium Persulfate, 98%  
Calcium Chloride, anhydrous, granular  
Copper Chloride, cupric\*  
Nickel Formate  
Potassium Binoxalate  
Potassium Thiocyanate  
Sodium Oxalate  
Tin Crystals

\* Copper Chloride, cupric is an unusually high quality product for technical use; very free from cuprous and makes a clear solution. Test it out in every way.

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## Chemicals

<b>METHANOL</b> (Wood Alcohol)				<b>NAPHTHALENE</b> , Flake, 175 lb bbls.		<b>PALLADIUM</b> , metal 10 oz. lots. . .	75.00	76.00
95%, 50 gal. drms. ext. . . . .	gal	...	.96	Wks. . . . .	...	Pancreatin, USP 5 lb bot. . . . .	1.25	1.40
97%, 50 gal. drms. ext. . . . .	gal	...	.97	Bbls. c/1 wks. . . . .	...	Papain, 10 lb bot. USP, Powd. . . .	2.15	2.25
Pure, 50 gal. drms. ext. . . . .	gal	...	1.10	Bbls., second hands NY. . . . .	...	Crude, 150 lb cases. . . . .	1.85	1.90
Acetone free, 50 gal. drms. ext. gal	1.05	1.20		Balls, 250 lb bbls. wks. . . . .	...	Paraffin, ref'd 200 lb cs. alabs		
Bbls. Incl. 5c higher				Bbls. c/1 wks. . . . .	...	120-125 Deg. M. P. . . . .	.03 1/4	.03 1/4
<b>Methyl Acetone</b> , 100 gal drums. gal	...	1.20		Bbls., second hands NY. . . . .	...	125-130 Deg. M. P. . . . .	.04	.04 1/4
Tank cars . . . . .	gal	1.15		Crushed, bgs., wks. . . . .	...	130-135 Deg. M. P. . . . .	.04	.04 1/4
Chloride, 90 lb cyl. . . . .	lb	.50		Crude, imp., bgs. . . . .	...	135-140 Deg. M. P. . . . .	.05	.06 1/4
Salicylate, USP, 50 lb cases. . . .	lb	.47		Nickel Metal, electrolytic 100 lb		Para-Aminoacetanilid, 100 lb		
500 lb drums . . . . .	lb	.45		kegs . . . . .	...	kegs . . . . .	1.05	1.15
Second Hands, cases. . . . .	lb	.43	.45	Ingot, 100 lb kegs. . . . .	...	Para-Aminophenol, 100 lb kegs. . .	1.25	1.30
<b>Methylene Blue</b> , tech. 100 lb kgs. lb	1.00	1.50		Salt, single 400 lb bbls. NY. . . .	...	Hydrochloride, 100 lb kegs. . . .	1.40	1.50
USP, medicinal 5 lb cans. . . . .	lb	2.25	2.60	Double, 400 lb bbls. NY. . . . .	...	Para-Dichlorobenzene, 50-300 lb bbls.		
Michler's Ketone, 225 lb bbls. . .	lb	3.75		Oxide, 100 lb kegs NY. . . . .	...	wks. . . . .	.17	.20
Milk, powd. 150 lb bbls. . . . .	lb	.14	.15	Sulfate, 450 lb bbls. . . . .	...	25-50 lb kegs . . . . .	.18	.22
Milk Sugar, see sugar of milk				Nitro Cake, bulk wks. . . . . ton	5.50	6.00		
Mineral Oil, see oil mineral				500 lb bbls. . . . . ton	13.00	14.00		
Monochlorobenzene, see chlorobenzene				Nitrobenzene, crude, 1000 lb drs.				
Monooethylaniline, 900 lb drs. . .	lb	1.00		wks. . . . .	...	.09	.09 1/2	
Monomethyl paramidophenol sulfate				Redistilled, 1000 lb drs. wks. . .	...	.09 1/2	.10 1/2	
100 lb drs. . . . .	lb	4.00		Nitronaphthalene, 550 lb bbls. . .	...	.20	.21	
<b>MORPHINE</b> Sulfate, USP 5 oz. tins	oz	6.35		Nitrotoluene, mixed 1000 lb drs.				
10 oz. . . . .	oz	6.35		wks. . . . .	...	.14	.15	
Acetate, 5 oz. tins 10 oz. lots. oz	...	6.35		Oil Fusel, see Fusel Oil				
Hydrobromide, 5 oz. tins 10 oz. lots	...	6.35		<b>OIL MINERAL</b> , wh. 50 gal. bbls. gal	1.00	1.25		
Hydchlide, 5 oz. tins 10 oz. lots	...	6.35		oil Mirbane, see nitrobenzene				
Diacetyl Alk., 1/2 oz. vis. 10 oz.	...	10.20		Opium, see crude drugs				
Hydchlide, 1/2 oz. vis. 10 oz. . . .	...	9.25		Orange Mineral, 800 lb cases NY. lb	1.54	.16		
Ethyl Hydchlide, 1/2 oz. vis. 10 oz.	...	10.45		500 lb bbls. NY. . . . .	1.54	.16 1/4		
Small Sizes: 1/4 oz. vials, 50c extra;				Ortho-Aminophenol, 50 lb kegs. . .	2.50	2.75		
1/2 25c extra; single oz. vls., 7c extra,				Ortho-Anilidine, 100 lb drs. . . . .	...	...		
over price for 5 oz. tins. 25 oz. lots in 5 oz. tins. 10c oz. lower than				Ortho-Dichlorobenzene, 1000 lb drs.	...	.06	.08	
above schedule. Less than 10 oz. lots 15c oz. higher than above schedule.				wks. . . . .	...	.18	.20	
Musk Ambrette, 1 lb cans. . . . .	lb	12.50	13.00	Ortho-Nitrochlorobenzene, 1200 lb				
<b>NAPHTHA</b> , Solvent, 110 gal. drs.				dra. wks. . . . .	...	.18	1.15	
wks. . . . .	gal	.29	.31	Ortho-Nitrophenol, 350 lb 3 bbls. lb	...	.09	.19	
8000 gal. tank cars wks. . . . .	gal	.26	.28	wks. . . . .	...	.18	.19	
				Ortho-Toluidine, 350 lb bbls. . . .	...	...	3.00	
				Oxgall, USP 5 lb bot. . . . .	...	...	...	

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# Chemicals

## PARIS GREEN

Arsenic Basis, 500 lb kegs...	.28	.30
Kegs, 100 lbs...	.32	.33
Kite, 56, 28, 14 lbs...	.31	.33
Packages, 5 and 2 lbs...	.32	.33
Packages, 1 lb, 1/2, 1/4 lb...	.34	.38

Paris White, see whitening, French

Pepsin, USP 5 lb bot...	2.25	2.50
-------------------------	------	------

## PETROLIUM, green 300 lb bbls.

Dark Amber 300 lb bbls...	.02 1/2	.03
Light Amber, 300 lb bbls...	.03 1/2	.04
Cream White, USP 300 lb bbls...	.04 1/2	.05
Lily White, USP, 300 lb bbls...	.07	.07 1/2
Snow White, USP, 300 lb bbls...	.09	.09 1/2
	.12 1/2	.13

Phenol, see also acid carbolic

American makers, drums wks...	.28	.30
Open market, 950 lb drs...	.28	.29
240 lb des drs. wks...	.28	.30
Natural 240 lb des drs. wks...		.28

Imported, 336 lb des drs...

Phenolphthalein, USP 100 lb drs...		1.50
5 lb cans, 100 lb lots...	1.55	1.65

Phenyl-Alpha-Naphthylamine 100 lb

kegs...		
---------	--	--

Phenylethylalcohol, 1 lb bot...

Imported...	6.75	8.75
	7.75	9.75

Phosgene, 100 lb cylinders...

Phosphorus Oxide, 175 lb cyl...	.35	.40
---------------------------------	-----	-----

Phosphorus, red 110 lb cs. wks...

Imported, 112 lb cases...		
---------------------------	--	--

Yellow, 110 lb cs. wks...

Imported, 112 lb cases...	.35	.40
		.30

Phosphorus Trichloride, 175 lb cyl...

wks...		.45
Phthalic Anhydride, 175 lb bbls...	.30	.35

Pilocarpine Hydrochloride, USP 25 oz.

lots, 1 oz. vials...		7.50
Nitrate...		7.50
Single ounces...		7.75
Alkaloid, 15 gr. vials...		.85

Piperazine Hydrate, 1 lb bot...

Pitch, Coal-Tar, wks...	30.00	33.00
-------------------------	-------	-------

Plaster Paris, tech. 250 lb bbls...

True Dental, 300 bbls...		4.50
--------------------------	--	------

Platinum, metal soft 10 oz. lots...

Potodophyllin, 5 lb bot...	5.65	6.00
----------------------------	------	------

Second Hands

## POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks...

Imp., 88-92% 700 lb drs. NY...	.09	.09 1/2
--------------------------------	-----	---------

USP, by alcohol 5 lb cans...

	.46	.48
	.30	.35

## POTASSIUM Acetate, USP, 100 lb

kegs...

	.30	.31
--	-----	-----

Bicarbonate, crys. 220 lb bbls...

		.12 1/2
--	--	---------

Bichromate, crys. 900 lb casks

wks...	.10	.10 1/2
--------	-----	---------

Powd., 900 lb casks wks...

		.12
--	--	-----

Rinnoxiate, 300 lb bbls...

	.33	.34
--	-----	-----

Bisulfate, C.P. 5 lb cans...

		.30
--	--	-----

100 lb kegs...

		.22
--	--	-----

Bromate, 100 lb cs...

		.45
--	--	-----

## BROMIDE, USP, crys. 450 lb

bbls...

		.26
--	--	-----

Granular, 300 lb bbls...

		.26
--	--	-----

Cases 100 lb...

		.27
--	--	-----

Imported, USP, 220 lb cs...

	.15 1/2	.17
--	---------	-----

## CARBONATE, 80-85% calc.

800 lb cks...

	.06 1/2	.06 3/4
--	---------	---------

80-85%, hydrated, 800 lb

cks...	.07	.07 1/2
--------	-----	---------

90-95% calc. casks...

	.06 1/2	.06 3/4
--	---------	---------

96-98% calc. casks...

	.07 1/2	.07 3/4
--	---------	---------

99% calc. casks...

	.09	.09 1/2
--	-----	---------

USP, 100 lb kegs...

	.11	.12
--	-----	-----

99% CP casks...

		.14
--	--	-----

## POTASSIUM—(Continued)

Chlorate, crys. 112 lb kgs. c/l

wks...	.08 1/2	.08 3/4
--------	---------	---------

Imp. 112 lb kegs NY...

	.06	.06 1/2
--	-----	---------

Powd., 112 lb kegs wks...

	.08 1/2	.09
--	---------	-----

Imp. kegs NY...

	.07	.07 1/2
--	-----	---------

Pyrotechnic, fine powd. NY...

	.08	.09
--	-----	-----

USP, fine crys. 110 lb kegs

NY...	.08	.09
-------	-----	-----

Citrate, USP 10 lb cans...

	.63	.66
--	-----	-----

Cyanide 110 lb cases...

		.65
--	--	-----

Glycerophosphate, 75% Soln. 25 lb

tins...	1.60	1.70
---------	------	------

Guaiacol Sulfonate, 5 lb cans,

10 lb...	1.75	2.00
----------	------	------

Hypophosphite, 10 lb cans...

		.85
--	--	-----

Iodide, USP, 100 lb cases...

	3.75	3.85
--	------	------

Second Hands, cases...

		3.65
--	--	------

Lactophosphate, 4 oz bot...

oz...		.90
-------	--	-----

Metabisulfite, 300 lb bbls...

		.23
--	--	-----

Imp., 300 lb bbls...

	.14	.16
--	-----	-----

Muriate, 80%, 200 lb bags, NY

K <sub>2</sub> O unit...		.63
--------------------------	--	-----

Nitrate, see Saltpetre

Oxalate, neutral, 100 lb kegs...	.40	.45
----------------------------------	-----	-----

Perchlorate, 112 lb kegs...

	.09	.10
--	-----	-----

## PERMANGAN, USP, crys. 112 lb

drs...

	.18	.19
--	-----	-----

Prussiate, red, 100 lb bbls...

		.62
--	--	-----

500 lb casks...

		.60
--	--	-----

Prussiate, yellow, 500 lb casks...

	.29	.32
--	-----	-----

Salicylate, 25 lb cans...

		.75
--	--	-----

Sulfate, 200 lb bags, NY, K<sub>2</sub>O unit

		.93
--	--	-----

USP, VIII, 100 lb kegs...

	.15	.18
--	-----	-----

Sulfocyanide, CP 25 lb jars...

		.50
--	--	-----

Tartrate, neutral, 100 lb kegs...

		.53
--	--	-----

Titanium Oxalate 200 lb bbls...

	.27	.30
--	-----	-----



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## Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04 1/4	.08	QUININE—(continued)			Santonin USP, 1 lb bot..... lb	150.00	:155.00
Lump, bags..... lb	.03 1/4	.05	Tartrate..... lb	..	.88	Powd. 1 lb bot..... lb	...	...
Powdered, 350 lb bbls..... lb	.02 1/4	.03	Valerate..... lb	..	.89	Saponin, ex Quilaja, 5 lb tins... lb	1.00	: 1.25
Pyridine, 50 gal. drums..... gal	4.50	: 5.00	Small Sizes: 1 oz vials or cans,			Satin White, 500 lb bbls..... lb	...	: .01 1/4
QUICKSILVER, see Mercury			500a. lots, 5c on extra; 500c cans,			Schaeffer's Salt, 250 lb bbls. wks. lb	.60	: .65
Quinidine Alk., 1000s tins..... oz	..	.75	500c lots 3c on extra; 2500c cans,			Scopolamine, see hyoscyne.		
Sulfate, 1000s tins..... oz	..	.50	500c lots, 2c on extra; single 100			Seidlitz Mixture, 225 lb bbls.... lb	.17	: .18
Quinoidine, see Chinoidin			vials or cans, 5c extra. All minor			SILICA		
QUININE SULFATE, USP,			quinine salts sold and quoted basis			Crude, bulk, mines..... ton	10.00	: 12.00
American, 1000s tins..... oz	..	.50	1000c lots in 1000c cans. Sulfate			Refined, floated, bags..... ton	18.00	: 30.00
100 tins, 1000s lots..... oz	..	.57	and bisulfate sold basis 1000s			Air floated, bags..... ton	32.00	: 50.00
Dutch, 1000s tins..... oz	..	.50	lots in 1000c cans. Smaller ords			Extra, floated, bags..... ton	55.00	: 65.00
Java, 1000s tins..... oz	..	.80	or containers extra as above			SILVER, metal, American..... oz	..	: .99 1/4
Japanese, 1000s tins..... oz	..	.50	schedule.			Foreign..... oz	..	: .62 1/2
QUININE ALK., USP., 1000s tins. oz	..	.67	R SALT, 250 lb bbls. wks..... lb	.55	: .70	Colloidal, 16oz bot..... oz	..	: 2.80
Acetate..... oz	..	.88	Red Lead, see lead oxide			Silver Iodide, 16oz bot..... oz	..	: .64
Arsenate..... oz	..	.88	Red Precipitate, see mercury.			Nitrate, USP, 2000s bot..... oz	.43	: .45
Benzonate..... oz	..	.88	Resorcinol, see resorcinol.			Nucleinate, 16oz bot..... oz	.30	: .35
Bisulfate, USP..... oz	..	.50	Resorcinol tech, 100 lb kegs... lb	1.35	: 1.50	Proteinates, 16oz bot..... oz	.34	: .39
Citrate..... oz	..	.63	USP, 25 lb cans..... lb	2.25	: 2.35	Soap, Castile, 40 lb bxs..... lb	.20	: .25
Dithydrilide, USP..... oz	..	.66	Resorcinol Salt, USP, 25 lb bbls. lb	.19 1/4	: .20	Powd. USP, 250 lb bbls..... lb	.28	: .39
Dihydrimide..... oz	..	.66	Rosewater, triple, 6 gal. demis... gal	.80	: 1.10	Green, USP, 150 lb kegs..... lb	.07	: .07 1/4
Dicarbonate, 100s tins..... oz	..	2.50	Rotten Stone, lump imp., bbls. lb	.07	: .08	Soapstone, see Talc, crude		
Ethyl Carbonate, 16 oz tins. oz	..	.95	Lump selectus, bbls..... lb	.09	: .12	SODA ASH, 58% light bgs NY		
Ferrocyanide..... oz	..	.88	Powdered, bbls..... lb	.02	: .05	flat, ex-warehouse..... 100 lb	...	: 2.00
Formate..... oz	..	.85	Domestic, bags, mines..... ton	24.00	: 30.00	Bbls., ex-warehouse. 100 lb	...	: 2.25
Glycerophosphate..... oz	..	.88	SACCHARIN, USP, 1 lb cans, 25 lb			Contract, Basis 58% bags c/l		
Iodide..... oz	..	.88	Soluble, USP, 1 lb cans, 25 lb. lb	1.90	: 2.10	wks..... 100 lb	1.45	: 1.50
Hydrobromide, USP..... oz	..	.63	Sal Ammoniac, see Ammon. Chloride			Prompt and spot, Basis 58% bags		
Hydrochloride, USP..... oz	..	.63	Salicin, USP, 1 lb cartons, 25 lb. lb	5.00	: 5.25	c/l wks..... 100 lb	1.51	: 1.56
Hydrochlorosulfate..... oz	..	.66	Saol, USP, 100 lb drums..... lb	.80	: .85	Soda Ash, 58% dense, bags ex-		
Hydrosulfide & Urea, USP..... lb	..	.88	Salt, Common, see sodium chloride			warehouse, NY..... 100 lb	...	: 2.07
Hypophosphite..... oz	..	.88	Salt Cake, c/l f.o.b. wks..... ton	20.00	: 25.00	Bbls., ex-warehouse. 100 lb	...	: 2.30
Lactate..... oz	..	.78	SALTPETRE, Double Refined			Contract, Basis 58% bags c/l		
Phenolsulfonate..... oz	..	.88	Granular, 400-500 lb bbls.,			wks..... 100 lb	...	: 1.51
Phosphate..... oz	..	.74	c/l wks..... lb	..	: .06 1/4	Pmpt. and spot, Basis 58% bags		
Salicylate, USP..... oz	..	.83	Less c/l works, bbls..... lb	..	: .06 1/4	c/l wks..... 100 lb	1.56	: 1.62
Tannate, USP..... oz	..	.45	Large Crystals, 350-400 lb bbls.,			Prices on soda alkalies are based on actual		
			c/l wks..... lb	..	: .08	SODA, CAUSTIC, 76% solid, resale,		
			Small Crystals, 350-400 lb bbls.,			NY flat..... 100 lb	3.30	: 3.50
			c/l wks..... lb	..	: .07 1/4	76% solid drs. ex-warehouse		
			Powdered, bbls. c/l wks..... lb	..	: .07 1/4	NY..... 100 lb	...	: 3.70
			Imported, 500 lb bbls., NY.... lb	..	: .07			

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Solvay Tanners Alkali

Solvay Tanners Soda

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## Chemicals

## SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks. 100lb	...	3.16%
Pmpt and spot, Basis 76% c/l wks. 100lb	3.26%	3.31
Contract 76% low grade c/l wks. flat 100lb	...	3.35%
Ground & flake, 76% pmpt and apcs, wks c/l drs. 100lb	...	3.70
Contract, 76% drums, c/l wks flat 100lb	...	3.60
76% drs. ex-warehouse NY 100lb	...	4.15
USP, stick, 10lb cans. 100lb	.19	.31
Pure, stick, by alcohol. 100lb	.25	.37
<b>SODIUM ACETATE, crys 450lb bbls</b>		
wks. 100lb	.05	.05%
Ton lots, bbls. wks. 100lb	...	.05
Imp. 500lb casks. 100lb	...	.05
Aluminum Sulfate, see alum soda.		
Benzonate, USP, 100lb bags. 100lb	.65	.68
Bicarbonate, 400lb bbls NY 100lb	...	2.25
Bbls. c/l wks. 100lb	...	2.00
112lb kegs wks. 100lb	...	2.25
112lb kegs, NY. 100lb	...	2.50
Bichromate, 600lb casks wks. 100lb	...	.08
Casks, c/l wks. 100lb	.07%	.08
Casks, NY. 100lb	.08	.08%
Bisulfite, dry powder, 500lb bbls. wks. 100lb	...	.04%
Solution, 32-40°, 500lb bbls. wks. 100lb	1.25	1.75
Bromate, 100lb cs. 100lb	...	.05
Bromide, USP, 500lb bbls. 100lb	...	.24
Cases, 100lb. 100lb	...	.25
Imp. USP, 112lb cs. 100lb	.18%	.19
Cacodylate, USP, 5lb bot. 25lb. 100lb	5.50	5.75
Carbonate, sal soda, 350lb bbls lc/l NY. 100lb	1.30	1.35
Werks c/l. 100lb	1.10	1.30
Monohydrate, 400lb bbl. lc/l. 100lb	...	2.45
Pure photographic, 100lb keg. 100lb	.08	.09

## SODIUM—(Continued)

Chlorate, 112lb kegs, wks. 100lb	.06%	.06%
Imported, 112lb kegs. 100lb	...	.06%
Chloride, tech. 200lb bags. 100lb	12.00	13.00
C. P. 300lb bbls. 100lb	.05	.06
Citrate, USP, 1X, 100lb kegs. 100lb	...	.62
USP, VIII, 100lb kegs. 100lb	...	.55
Cyanide, 96-98%, 100lb cases wks. 100lb	...	.23
Ton lots, wks. 100lb	...	.23
73-76%, 100lb cases, wks. 100lb	...	.20%
125-128%, 200lb cs. 100lb	...	.21
120-125%, 200lb cs. 100lb	...	.20%
Fluoride, 350lb bbls, NY imp. 100lb	.09	.09%
Glycerophos. USP, crys 25lb cans. 100lb	1.65	1.75
Powder, 25lb tins. 100lb	1.70	1.80
Solution, USP 25lb tins. 100lb	1.00	1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100lb cys. 100lb	...	.05
14 1/2% soln, 50lb cys. 100lb	...	.04
Hydroxide, 200lb bbls, fob, wks. 100lb	.19	.22
Hypophosphite, USP, 25lb cans. 100lb	...	.75
<b>HYPOSULFITE, tech. pea crys., 375lb bbls. wks. 100lb</b>		
Bbls. c/l wks. 100lb	2.90	3.30
100lb kegs wks. 100lb	...	2.75
Granulated, bbls. wks. 100lb	3.00	3.60
Bbls. c/l wks. 100lb	3.15	3.55
Kegs wks. 100lb	3.00	3.00
Regular crystals. 100lb	3.25	3.85
Iodide, USP, 25lb jars. 100lb	2.65	2.90
Metanilate, 150lb bbls. 100lb	...	4.25
Naphthionate, 300lb bbls. 100lb	.55	.60
Nitrate crude, 95%, 200lb bgs c/l NY. 100lb	.60	.62
Futures, NY. 100lb	...	2.45
Double Refined, 400lb bbls gran. c/l wks. 100lb	2.47 1/2	2.50
Nitrite, 500lb bbls. wks. 100lb	...	.04%
Bbls. spot, makers. 100lb	...	.07%
Imp. 650lb casks. 100lb	...	.07%
Ortho-Chloro-para-Toluene Sulfonate, 175lb bbls. wks. 100lb	.25	.27

## SODIUM—(Continued)

Oxalate, neutral, 100lb kegs. 100lb	...	.40
Perborate, 275lb bbls. 100lb	...	.22
Imp., 225lb drs. 100lb	.18	.19
Peroxide, 200lb cases. 100lb	.25	.27
Phosphate, di-sodium, tech 550lb bbls. 100lb	.03%	.03%
USP, gran. 275 bbls. 100lb	.07	.07 1/2
Imp. gran. 275 bbls. 100lb	.05%	.06
USP, recryst 275 bbls. 100lb	.10	.11
Mono-sodium 100lb kegs. 100lb	.24	.26
Tri-sodium tech. c/l, bbls. 100lb	.04%	.05
Pieramate, 100lb kegs. 100lb	...	.60
Para-Toluene Sulfonate, 175lb bbls. 100lb	.08	.09
PRUSSIAN, yellow, 250lb bbls. 100lb	...	.14
Imp. 450lb cks. 100lb	...	.14
Pyrophosphate, 100lb kegs. 100lb	.18	.22
Salicylate, 100lb kegs. 100lb	...	.40
Second Hands, USP, kegs. 100lb	.37	.40
Silicate, 60° 700lb bbls. f.a.s. NY. 100lb	...	2.00
Works, 1000lb drums. 100lb	...	1.90
Works, tanks. 100lb	...	1.75
40° domestic. 700lb c/l f.o.b. wks. 100lb	...	.80
Works, 1000lb drums. 100lb	...	.82 1/2
Works, tanks. 100lb	...	.75
Spot, drums, bbls. 100lb	1.30	1.50
Silicofluoride, 450lb bbls, NY. 100lb	.07%	.07%
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650lb drs. lc/l wks. 100lb	.05	.05%
Drs. c/l wks. 100lb	...	.04%
Imp. 700lb drs. NY. 100lb	.03	.03%
60% broken. 650lb drs wks. 100lb	.05	.05%
Imp. 500lb drs. NY. 100lb	.03 1/2	.04
30% crys. 400lb bbls. wks. 100lb	.02	.02 1/2
Imp., 400lb bbls. 100lb	.02	.02 1/2
Sulfite, crys. 400lb bbls. wks. 100lb	.03 1/2	.03%
Desiccated, 400lb bbls. 100lb	.09 1/2	.10



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## Chemicals

<b>SODIUM—(Continued)</b>			<b>SULFUR, crude, bulk, c/l NY..ton</b>			<b>Thiocarbamid, 170 lb bbls.....lb</b>		
Sulfocarbonate, USP, 100 lb			Crude, f.o.b. mines.....ton	14.00	15.00	Thymol, USP, 25 lb tins.....lb	3.10	3.25
kegs.....lb	.43	.44	Brimstone, 250 lb bags, c/l 100 lb	1.75	1.95	tonne, 5 lb boxes.....lb		6.75
Sulfocyanide, 400 lb bbls.....lb	.45	.47	Less c/l bags NY.....100 lb	1.85	2.10	TIN, Metal Straits, NY.....100 lb		40.75
Tungstate, crys. 100 lb kegs.....lb	.55		Roll, 500 lb bbls, c/l NY.....100 lb	2.15		American standard, NY.....100 lb		40.37
Dissociated, kegs.....lb	.65		Less c/l bags NY.....100 lb	2.20	2.45	99% American, NY.....100 lb		40.00
Solvent Naphtha, see Naphtha			Flour, Heavy, 240 lb bbls, 100 lb	2.50	3.05	Bichloride, 50% soln 100 lb		
Sparstein Sulfate, USP, 250 lb bulk os	.60	.70	Light, 100%, 260 lb bbls, 100 lb	2.60	3.15	bbls. wks.....lb		.12 1/2
Single oz. vial.....oz		.77	Rubbermakers 100%, 240 lb			Crystals, 500 lb bbls. wks.....lb		.31 1/2
Starch, rice, 140 lb bags.....lb	.09	.10	bbls, NY.....100 lb	2.60	3.15	100 lb kegs, wks.....lb		.32
STRONTIUM Bromide, USP, 100 lb			Commercial, 99%, 100 lb ozs	1.35	1.65	Oxide, 400 lb bbls. wks.....lb		.45
kegs.....lb	.33		NY.....100 lb			100 lb kegs wks.....lb		.47
Carb. 600 lb bbls. wks.....lb	.07		For Dusting, 99%, 100 lb	2.00	2.50	Tetrachloride, 1000 lb drs. wks. lb		.26
100 lb kegs wks.....lb	.08		bgs NY.....100 lb			Tolidine, 350 lb bbls.....lb	.95	1.00
Iodide, USP, 25 lb jars.....lb	4.00		Flowers, 100%, 240 lb bbls	3.00	3.55	Sulfate, 350 lb bbls.....lb		1.00
Nitrate, 600 lb bbls, wks.....lb	.11 1/2		NY.....100 lb	.14	.16	Toluene, 8000 gal tank cars, wks. gal	.26	.28
Imp., bbls, NY.....lb	.10	.11	Precipitated, 125 lb bbls NY.....lb	.07	.10	110 gal drs. wks.....gal	.31	.33
Salicylate, USP, 100 lb kegs.....lb	.75		Lac, 125 lb bbls NY.....lb			Toluidine, Mixed, 900 lb drs. wks. lb	.31	.32
STRYCHNINE Alkaloid, USP, crys			Sulfur Chloride, red, 700 lb drs.	.06	.07	Triphenol, 100 lb cases.....lb		1.00
1000s tins.....oz	1.15		wks.....lb		.08	Triphenyl Phosphate, 450 lb bbls. lb		.60
Alk. powd. USP.....oz	1.65		150 lb chys. wks.....lb	.05	.06	Triphenyl 500 lb bbls.....100 lb	2.50	3.00
Acetate.....oz	1.05		Yellow, 700 lb drs. wks.....lb	.07		Tungsten NY.....Wt. unit	8.35	9.00
Glycerophosphate, USP.....oz	1.05		150 lb chys. wks.....lb	.08	.08 1/2	UREA, pharm. 112 lb cases.....lb		.30
Hydrobromide.....oz	1.05		Sulfur Dioxide, 100 lb cpl.....lb		4.55	VANILLIN, USP, 4000s cases.....oz	.40	.40 1/2
Hydrochloride.....oz	1.05		Iodide, USP, VIII, 5 lb bot. lb		.70	Cans, 80 ozs.....oz		.40 1/2
Hypophosphite.....oz	1.15		Sulfuric Ether, see Ether			Cans, 16 ozs.....oz		.41 1/2
Nitrate, USP.....oz	1.05		Sulfuryl Chloride, 600 lb drs.....lb			Verdigris, see Copper Subacetate		
Phosphate.....oz	1.05		ALC, Italian, 220 lb bags NY..ton	35.00	40.00	Vermilion, Amer. 100 lb kegs.....lb		.35
Sulfate, USP, crys powd.....oz	.84		Refined, white, bags.....ton	42.00	55.00	English, kegs.....lb		1.30
Saccharinate.....oz	2.15		French, 230 lb bgs. NY.....ton	25.00	30.00	Veratrine Sulfate, 10s vial.....oz		2.00
Strychnine preparations quoted based			Refined, white bags.....ton	32.00	45.00	Hydrochloride, 10s vial.....oz		2.00
1000s lots in 1000s tins. Small Sizes:			Dom., crude, 100 lb bags NYton	19.00	15.00	Veronal, see Acid Diethylbarbituric		
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Refined, 100 lb bags NY.....ton	19.00	25.00	WHITE LEAD, see lead, white.		
extra; single ounces vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls. lb	.25	.26	White Precipitate, see mercury.		
of 25 ozs. 5c higher than above			USP, 300 lb bbls.....lb		.34 1/2	Whiting, 200 lb bags, c/l wks. ton	14.00	16.00
schedule. Lots of less than 25 ozs.			Terpin Hydrate, USP, 100 lb kegs lb	.60	.62	Bags, 15/1 NY.....ton		22.50
10c higher per oz.			Terpineol, CP 1000 lb drums.....lb	.54	.55	Gilders, bags, NY.....ton	13.50	15.00
Sugar Milk, USP, 200 lb bbls.....lb	.21	.22	Cans, 50 lb.....lb	.58	.60	French, bags, NY.....ton		18.00
Second Hands, USP, bbls.....lb	.21	.22	Imported, cans, 25 lb.....lb	.95	1.20	English, bags, NY.....ton		23.00
Sulfonal, see Sulfonmethane.			Terpenyl Acetate, 25 lb cans.....lb	1.65	1.85	Witch Hazel Extract, 50 gal. bbls. gal	1.20	1.35
Sulfonethylmethane, USP, bbs 5 lb. lb		3.00	Terra Alba, No. 1, 300 lb bbls 100 lb	1.85	1.90			
Sulfonmethane, USP, 5 lb bbs.....lb		4.00	No. 2, bbls.....100 lb	1.25	1.35			
			Theobromine Alk. 5 lb cans.....lb		5.75			
			and Sod. Salicylate, 1 lb bot. lb		3.50			

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## Chemicals

<b>XYLENE, 2° dist range, nitration</b>			<b>Oils</b>			<b>LARD OIL, Edible prime, bbls...</b>		
tk. wks.	gal	...	Castor, No. 1, 400b bbls.	...	...	Off prime, bbls.	...	...
110gal. drs. NY	gal	.65	80b cases	...	...	Extra bbls.	...	...
5° dist. range, 8000gal tanks	...	...	No. 3, bbls.	...	...	Extra No. 1, bbls.	...	...
wks.	gal	...	Blown, 400b bbls.	...	...	No. 1 bbls.	...	...
110gal. drs. wks.	gal	...	China Wood, bbls., spot NY	...	...	No. 2 bbls.	...	...
Commercial, 110 gal drs., wks.gal	...	...	8000 gal. tks. NY	...	...	LINSEED, raw c/l bbls. spot	gal	...
Tanks, wks.	gal	...	Sept. Oct., forward, bbls, China	...	...	Five bbls., raw	gal	...
Xylidise, 800b drs.	...	...	Coast, tanks, Sept. forward	...	...	Bottled, 5 bbl. lots	gal	...
YARA YARA, 1b tins	...	...	Coconut Ceylon, 375b bbls, NY	...	...	Double bottled 5 bbl. lots	gal	...
Yohimbin Hydrochloride, 1 oz. vial. oz	7.25	7.50	8000 gal. tanks, NY	...	...	Raw, lc/l bbls.	gal	...
ZINC, METAL, high grade, slabs	...	...	Cochin, 375b bbls, NY	...	...	Sept., Oct., c/l bbls.	gal	...
c/l NY	...	...	Tanks, NY	...	...	Nov. forward, c/l bbls.	gal	...
Common Slabs, c/l NY	...	...	Edible, bbls, NY	...	...	Imported, bbls, NY	gal	...
Mossy, 25b bxs NY	...	...	Manila, tanks, P. Coast	...	...	Tanks, NY	gal	...
Ammonium Chloride, powd., 400b	...	...	Cod Newfoundland, 50 gal. bbls.gal	...	...	Menhaden, crude, bbls, wks	gal	...
bbls.	...	...	Tanks, NY	...	...	Crude, tanks	gal	...
Carb. tech. 150b kegs NY	...	...	Edible, bbls, NY	...	...	Light strained, tanks	gal	...
USP, 100b kegs	...	...	Corn, ref. 375b bbls, NY	...	...	Light strained, bbls, NY	gal	...
Chloride, fused, 800b drs.wks.	...	...	Bbls., NY	...	...	Yellow bleached, bbls, NY	gal	...
Drs. c/l wks	...	...	Copra, bags	...	...	Blown, bbls, NY	gal	...
Imp. drs. NY	...	...	Corn, ref. 375b bbls, NY	...	...	Neatsfoot, 20° c.t. bbls, NY	...	...
Granulated, 500b bbls.wks.	...	...	Crude, tanks mills	...	...	Extra, bbls, NY	...	...
Imported, drs. NY	...	...	Bbls., NY	...	...	Pure, bbls, NY	...	...
USP, 25b jars	...	...	Cottonseed, crude tks, mills	...	...	Oleo Oil, No. 1, bbls, NY	...	...
Cyanide, 100b drs.	...	...	P. S. Y., 100 bbl. lots NY	...	...	No. 2, bbls, NY	...	...
Dust, 100b tins wks	...	...	White, 100 bbl. lots NY	...	...	No. 3, bbls, NY	...	...
500b bbls, kegs, lc/l wks.	...	...	Winter yellow, 100 bbls, NY	...	...	OLIVE, denatured bbls, NY	gal	1.10 : 1.15
500b bbls, kegs, c/l wks.	...	...	Degras, Amer. 50 gal. bbls., NY	...	...	Edible, bbls., NY	gal	1.70 : 2.00
Iodide, 5b bottles	...	...	English, bbls, NY	...	...	Feets, bbls, NY	...	...
Nitrate 25b jars	...	...	Neutral, bbls, NY	...	...	Shipment	...	...
Oxide, Amer. 300b bbls, wks.	...	...	Greases, choice white, bbls, NY	...	...	Palm Lagos, 150b casks	...	...
Bols. c/l wks	...	...	Yellow	...	...	Niger casks	...	...
French, 500b bbls wks	...	...	Brown	...	...	Bonny old Calabar, casks	...	...
Bbl c/l wks	...	...	House	...	...	Palm Kernel, 1500b casks NY	...	...
Bags, c/l wks	...	...	Bone naphtha	...	...	Peanut, refined bbls, NY	...	...
USP, 100b bbls. c/l	...	...	Serring, Tanks, Coast	gal	...	Crude, mills buyers' tks	...	...
Ten lots, wks.	...	...	Horse, 375b bbls, NY	...	...	Crude, bbls, NY	...	...
Imported, white seal, bbls.	...	...	Lard, prime steam bbls	...	...	Perilla, bbls, NY	...	...
Green seal, bbls.	...	...	Compound bbls.	...	...	Poppyseed, bbls, NY	gal	2.20 : 2.20
USP, 100b bbls	...	...						
Stearate, USP, 50b bbls	...	...						
Sulfate, 400b bbls, wks	...	...						
Bols. c/l wks	...	...						
USP, 100b kegs	...	...						
Sulfocarbonate, 100b kegs	...	...						

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## Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal	.76	: .77
Blown, bbls., NY.....gal	.93	: .95
Red Oil, distilled, bbls.....lb	...	: .09%
Saponified, bbls.....lb	...	: .09%
Tanks.....lb	...	: .09
Salmon, 8000 gal. tks. Coast.....gal	...	: ...
Sesame, domestic edible bbls.....lb	...	: .12%
Sod Oil, bbls. NY.....gal	...	: .45
SOYA BEAN, crude tks. Coast.....lb	.09%	: .09%
Crude, Tks. D.P., NY.....lb	.09%	: .09%
Crude, bbls. NY.....lb	.11	: .11%
Sperm, 38° c. t. blehd. bbls. NY.gal	...	: .99
45° cold test, blehd. bbls. NY.gal	...	: .94
STEARIC ACID, s.p. 200 lb bags. lb	.13%	: .13%
Double pressed, bags.....lb	.13%	: .14
Double pressed, bgs., saponified. lb	.13%	: .14
Triple pressed, bgs., distilled. lb	.14%	: .15%
Triple pressed, bgs., saponified. lb	.14%	: .15%
Stearine, oleo, bbls.....lb	.12%	: .13
Lard, bbls.....lb	...	: .14
Tallow, edible, tierces.....lb	...	: .10%
City extra, loose.....lb	...	: .08%
Tallow Oil, acidless tks. NY.....lb	...	: .10%
Bbls., c/l NY.....lb	...	: .12%
Walnut, crude bbls. NY.....lb	...	: ...
Whale, nat. winter bbls. NY.....lb	...	: .75
Richd. winter bbls. NY.....gal	.78	: .80
Extra Richd. bbls. NY.....lb	...	: .83
Crude, No. 1, tanks Coast.....lb	...	: ...
Crude, No. 2, tanks Coast.....lb	...	: ...
Crude No. 3, tanks Coast.....lb	...	: ...

## Fertilizer Materials

Ammon. Sulf, bulk wks.....100 lb	3.15	: 3.20
Double bgs. f.a.s. NY.....100 lb	...	: 3.45
Single bgs, wks.....100 lb	...	: 3.30
Blood, dried f.o.b. NY.....unit	...	: 4.00
Bone, 3 & 50 ground steamed.....ton	25.00	: 28.00
Raw, Chicago.....ton	...	: 30.00

Cyanamide wks.....unit	2.20	: 2.25
Fish Scrap, dried wks.....unit	4.00	: .10
Acid, Bulk, 7 & 3%, sav.....unit	3.50	: .10
NITRATE SODA, NY.....100 lb	...	: 2.45
Phosphate Rock, f.o.b. mines, Florida pebble, 68-75%.....ton	3.25	: 4.50
Tennessee, 72%.....ton	...	: 5.50
Phosphate Acid, 16% Bulk wks.....ton	8.00	: 8.50
Potassium Muriate, 80%.....unit	...	: .68
Sulfate.....unit	...	: .93
Steamed Bone Meal, NY.....ton	32.00	: 35.00
Tankage, ground, NY.....unit	4.00	: .10
High grade f.o.b. Chicago.....unit	3.65	: .10

## Naval Stores

(Caribbean ex-yard N. Y.)		
Spirits Turpentine, bbls.....gal	...	: 1.02
Wood Turpentine, stm. distd. bbls.gal	...	: .85
Destructive distilled, bbls.....gal	...	: .60
Pine Oil, stm dist'd, bbls.....gal	...	: .65
Pitch, prime.....bbl	5.50	: 6.00
Rosins. (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	: 5.95
D.....280 lb	...	: 5.95
E.....280 lb	...	: 5.95
F.....280 lb	...	: 5.95
G.....280 lb	...	: 5.95
H.....280 lb	...	: 5.95
I.....280 lb	...	: 5.95
K.....280 lb	...	: 6.00
M.....280 lb	...	: 6.00
N.....280 lb	...	: 6.25
WG.....280 lb	...	: 6.50
WW.....280 lb	...	: 7.00

Rosin Oil, first run, 50 gal. bbls.gal	...	: .45
Second run, bbls.....gal	...	: .47
Tar, kiln-burnt.....bbl	...	: 12.00
Metort.....bbl	...	: 11.00

## Woods

Sarwood, chips.....lb	.04%	: .05
Camwood, chips.....lb	.09	: .13
Divi Divi, pods 100-200 lb bags.ton	40.00	: 42.00
Fustic, sticks.....ton	30.00	: 35.00
Chips.....lb	.04	: .06
Hemlock, bark.....ton	...	: 20.00
Hyperic, chips.....lb	.06%	: .07
LOGWOOD, sticks.....ton	28.00	: 30.00
Chips 150 lb bags.....lb	.02%	: .03
Mangrove bark, African.....ton	34.00	: 36.00
Bark, South American.....ton	25.00	: 30.00
Myrobalans, 150 lb bags J1.....ton	...	: 33.00
B1.....ton	...	: 35.00
J2.....ton	...	: 27.00
Nutmalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	76.00	: 80.00
Virginia, 130 lb bags.....ton	...	: 35.00
Valonia Cupe, 28-33% tan.....ton	36.00	: 38.00
Seard, 40% tan, 150 lb bgs.ton	50.00	: 52.00
Wattle bark, 150 lb bags.....ton	...	: 35.00

## Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.26	: .29
Archil, double 600 lb bbls.....lb	.16	: .18
Triple, 600 lb bbls.....lb	.17	: .19
Conc., 600 lb bbls.....lb	.18	: .20

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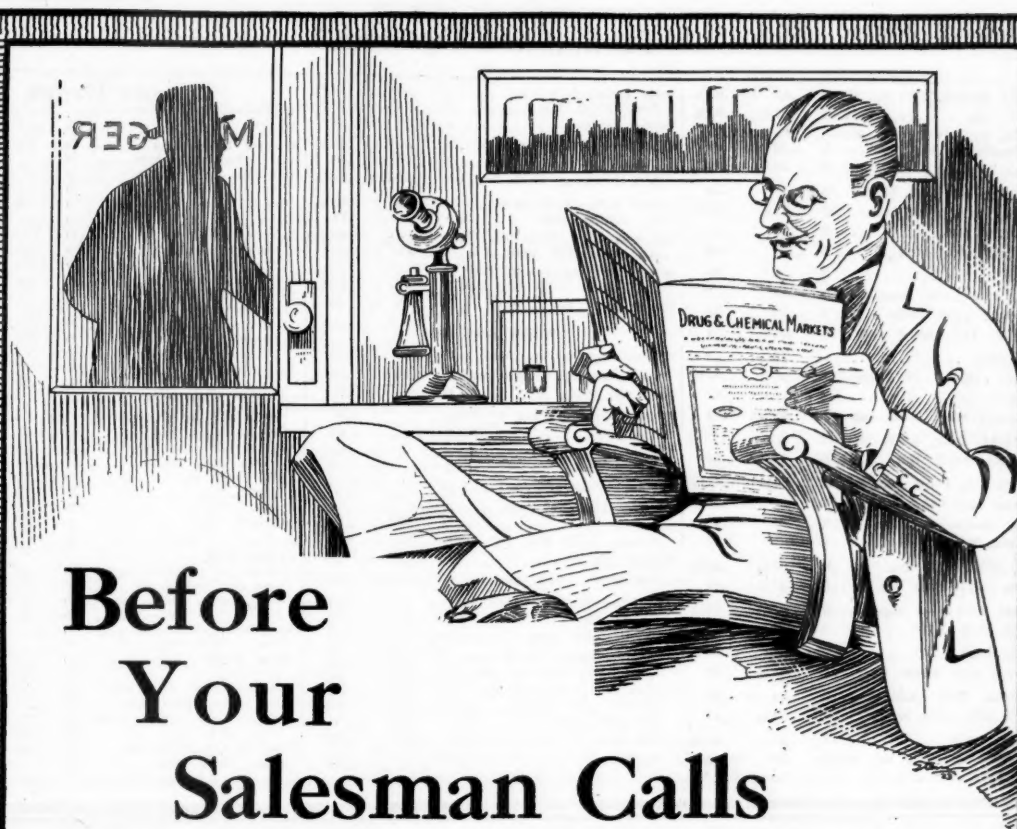
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## Tannins and Dyestuffs

Chestnut, clarified, 25% tks. wks. lb.	.02	.02%
Bbls., wks. ....	.02%	.02%
Powd., 60% 100 lb bbls. wks. lb.	.05%	.05
Decolorized, bbls. wks. ....	.08	.09
Cashew, English ....	.21	.23
Cutch, Rangoon, 100 lb bales ....	.13	.16
Borneo, solid, 100 lb bales ....	.04%	.05%
Liquid, 450 lb bbls. ....	.10	.11
Tablets, 120 lb boxes ....	.13	.14
Flavine ....	.90	.95
Fustic, solid 50 lb boxes ....	.14	.18
Crystals, 100 lb boxes ....	.22	.24
Liquid, 51°, 600 lb bbls. ....	.10	.14
Gall extract ....	.16	.18
Gambier, 25% liq. 450 lb bbls. ....	.08%	.09%
Common, 200 lb cases ....	.10%	.11
Singapore cubes, 150 lb bags ....	.18	.19
HEMATINE, Paste, 500 lb bbls. ....	.11%	.13%
Crystals, 400 lb bbls. ....	.16	.20
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	.03%
Hyperic, 51°, 600 lb bbls. ....	.15	.20
Indigo, Madras bbls. ....	.85	.90
Manila, bbls. ....		1.30
Larch, 25%, 600 lb bbls., wks. lb.	.03%	.03%
Powd. 100 lb bags, wks. ....	.07%	.08
Logwood, 51°, 450 lb bbls. ....	.07%	.12%
Solid, 50 lb boxes ....	.15	.21
Madder, Dutch ....	.28	.30
Mangrove, 55% 400 lb bbls. ....	.04%	.05
Myrobalsam, 25% liquid bbls. ....	.04	.05
50% solid, 50 lb boxes ....	.04%	.05
Oak, tanks wks. ....	.04	.04%
23-25% liq. 600 lb bbls. wks. lb.	.05	.05%

Osage Orange, 51° Liquid ....	.07	.08
Powd. 100 lb bags ....	.14	.15
Persian Berries ....	.27	.30
QUEBRACHO, 35% liquid tks. lb.	.03	.03%
450 lb bbls. ....	.03%	.04
35% bleaching, 450 lb bbls. ....	.04%	.05%
Solid 65% 100 lb bales ....	.05	.05%
Clarified bales ....		.06
Quercitron, 51° 450 lb bbls. ....	.06%	.07%
Powdered, 100 lb boxes ....	.09	.13
Spruce, 25% liquid tanks wks. lb.	.01	.01%
Powd. 50% 100 lb bags wks. lb.	.02	.02%
Sumac, liquid 450 lb bbls. ....	.07	.09

## DYERS' SUPPLIES

Albumen, technical, egg 200 lb cs. lb.	1.00	1.05
Blood, domestic, 100 lb drs. ....	.50	.60
Spray Yolk 150 lb cs. ....	.45	.65
British Gum, 140 lb bags c/l 100 lb		3.99
Bags, lc/l ....		4.09
Dextrin, corn 140 lb bags c/l 100 lb		3.65
Bags, lc/l ....		3.75
Yellow, bags c/l ....		3.69
Potato 140 lb bags c/l ....		.07
Bags, lc/l ....	.07%	.08%
Tapioca, 200 lb bags, lc/l ....	.09	.10
Prussian blue ....	.60	.62
Sago Flour, 150 lb bags ....	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb		3.22
Bags lc/l ....		3.32
Pearl, 140 lb bags c/l ....		3.12
Potato, domestic, 200 lb bags ....	.04%	.05
Imported, bags duty paid ....	.05	.05%
Tapioca Flour, high grade bags ....	.06	.06%
Medium grade bags ....	.04%	.04%
Low grade, bags ....	.04	.04%
Turkey Red Oil, bbls. ....	.11	.12
Yolk Oil, bbls. ....		.35

## Crude Drugs

Aecroides Gum, yel. ....	.18	.20
ACONITE Leaves, bales ....	.25	.27
Aconite Root, USP, bags ....		.50
Agar Agar, 1, 200 lb bales ....	1.85	1.90
No. 2, bales ....	1.75	1.85
No. 3, bales ....	1.65	1.75
Agaric, white, cases ....		
Almonds, bitter bags bxs. ....	.32	.25
Sweet, bags ....	.45	.46
Mead, tins, boxes ....	.25	.30
Aletris Root, bags ....	.55	.60
Alkanet Root, bags ....	.07	.08
Aloes, Barbados, 120 lb bbls. ....	.65	.70
Cape, 400 lb cases ....	.09	.10
Curacao, 100 lb cases ....	.08	.08½
Scotrine, whole 100 lb cs. ....	.30	.32
Alethea Root, cut cases ....	.25	.28
Whole bags ....	.09	.10
Ambergris, black boxes ....		8.00
Grey, boxes ....		28.00
Ammordac, tears, bags ....	1.35	1.40
Angelica Root, dom. bags ....	.14	.15
Angostura Bark, bags ....	.08	.10
Anise, Levant bags ....	.17	.17½
Russian, bags ....	.16	.17
Star, cases ....	.13	.14
Spanish, bags ....	.19	.20
Annatto Seed, bags ....	.17½	.18
ARABIC GUM, ....		
White, No. 1, 200 lb bags ....	.26	.28
Seconds 250 lb bags ....	.24	.26
Sorts, amber, 200 lb bags, bbls. ....	.13%	.14
Powd., USP, 200 lb bbls. ....	.21	.23
Arcaea Nuts, 150 lb bags ....		.09
Powd., 200 lb bbls. ....		.11
Arnica Flowers, bags ....	.08	.08%
Arrowroot, Amer. powd. bbls. ....	.06½	.09½
St. Vincent, powd. bbls. ....	.14	.14½
Asafoetida, USP, 250 lb cases ....	.22	.24
Powd. 50 lb bxs. ....	.50	.53
BALM GILEAD BUDS, bags ....	.38	.40
Balmory Herb, bales ....		.14

## Tight, Dependable Closures, Plus—

IN addition to making tight, dependable closures, Armstrong's Embossed Top Corks provide the utmost in convenience and safety for the users of your bottled goods. They are easily removed without a cork screw, knife blade or bottle opener and a simple twist of the hand makes a tight re-seal. There is no danger of splattered clothing, broken finger nails or gouged hands with

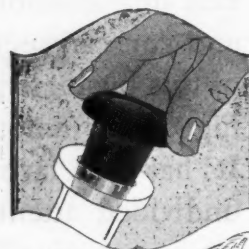
## ARMSTRONG'S Embossed Top CORKS

But one of the biggest features is their decorative value. Provided in a color to harmonize with your product or label, and with your name or trade-mark embossed on the top, Armstrong's Embossed Top Corks improve materially the appearance and selling value of your package.

*The only way to judge their dependability, convenience, safety and decorative value is to see some of the corks themselves. If you purchase stoppers in lots of 10,000 or more of one size, samples and prices of Armstrong's Embossed Top Corks will be sent cheerfully on request.*

## ARMSTRONG CORK COMPANY

101 Twenty-fourth Street PITTSBURGH, PA.



Convenience



Safety



Appearance



Advertising Value

## Crude Drugs

<b>SALSAMS</b>					
Copaiba, Para, 80 lb cases.....lb	.33	: .25	Cannabis, true imp. bags.....D	.. :	6.00
"          South American, 80 lb .....	.28	: .29	American (no assay) bales.....D	.80 :	.35
Flr Canada, case.....gal	12.80	: 13.00	LSP.....D	1.70 :	1.85
Oregon, bbis., cans.....gal	2.60	: 2.70	Cantharides, Chinese.....D	1.05 :	1.10
Peru, 120 lb cases.....D	1.75	: 1.80	Powd., boxes.....D	1.18 :	1.20
Tolu, 90 lb cases.....D	.. :	2.25	Cantharides, Russian, cases.....D	1.50 :	1.60
Rambo Brier Root, bags.....D	.06	: .07	Powdered, boxes.....D	1.70 :	1.75
Barberry Bark, tree bales.....D	.22	: .24	Caraway Seed, African, bags.....D	.23 :	.24
Bayberry Bark, trees.....D	.11	: .12	Dutch, 110 lb bags.....D	.27 :	.28
Wax, bbis.....D	.25	: .27	Cardamon bleached cases.....D	1.25 :	1.70
Belladonna Leaves, bales.....D	.18	: .19	Decoricated, cases.....D	1.10 :	1.20
Root, bags.....D	.11	: .12	Green, grinding, bags.....D	.92 :	.94
Bees Wax, white bbis.....D	.38	: .40	Caranuba Wax, Flor. bags.....D	.52 :	.53
Yellow, refined bbis.....D	.28	: .30	No. 1 N Country bags.....D	.40 :	.42
Crude, bags.....D	.23	: .24	No. 2 N Country bags.....D	.24 :	.26
Benzoin Gum, Siam, boxes.....D	1.25	: 1.30	No. 3 Fatty Gray, bags.....D	1.94% :	.20
Sumatra, 80 lb boxes.....D	.27	: .28	No. 3 Chalky, bags.....D	1.94% :	.20
Berberis Aquifolium Root, bags.....D	1.44%	: .15	Cacarea Amarga, 150 lb bales.....D	.30 :	.32
Beth Root, bags.....D	.22	: .25	Cacarea Sagrada, bales, Old.....D	.18 :	.20
Blackhaw Bark, root, bales.....D	.40	: .42	New.....D	.17 :	.18
Tree, bales.....D	.28	: .30	Cascarilla Bark, quills bales.....D	.36 :	.40
Hlood Root, bags.....D	.15	: .16	Siftings, bbis.....D	.20 :	.25
Huefag Root, bags.....D	.23	: .25	Cassia Buds, 66 lb cases.....D	1.12% :	.13
Boide Leaves, bales.....D	.30	: .21	China, select, mats cases.....D	.09 :	.09%
Bongee Herb, bales.....D	.08	: .11	Saigon, assort. bales.....D	.24 :	.25
Borago Flowers, bales.....D	.18	: .20	Cassia Fistula, baskets.....D	.09% :	.10
Eryodra Root, bags.....D	.09	: .10	Castor Beans, bags.....D	.03 :	.03%
<b>BUCHU LEAVES, short, 250 lb</b>			Castoreum, 1 lb bot.....D	4.00 :	4.50
bales.....D	.90	: .95	Catechu Gum, bags.....D	.09 :	.10
Leaf, bales.....D	1.00	: 1.05	Catnip Herb, bales.....D	.12 :	.15
Lonx, bales.....D	.. :	.. :	Celery Seed, 220 lb bags.....D	.21 :	.22
Buckhorn Bark, bales.....D	.07	: .08	Ceresus Wax, white bags.....D	.09 :	.10
Burdock Root, bags.....D	.19	: .20	Yellow, 200 lb bags.....D	.08 :	.09
Burgundy Pitch, dom. 110 lb stands			<b>CHANOMILE FLOWERS, Roman</b>		
Gross for net.....D	.. :	.05	bales.....D	.. :	.. :
Calabar Beans, bags.....D	.15	: .18	Hung. cases bales.....D	.08 :	.09
Calamus Root, bleached cases.....D	.36	: .38	Charcoal Willow, powd. bbis.....D	.06 :	.06%
Unbleached, bags.....D	.10	: .12	Wood. powd. bbis.....D	.04 :	.06
Calendula Petals, imp. bales.....D	.. :	.30	Chestnut Bark, bags.....D	.07 :	.06
Callaya Bark, bales, powd.....D	.20	: .27	Herb, bales.....D	.06 :	.06%
Camphor, see Chemicals			Chicle Gum, bags.....D	.75 :	1.00
Canary Seed, Morocco bags.....D	.. :	.06	Chicetta, bales.....D	.10 :	.12
"          South American, bags.....D	.05%	: .06	Cinchona Bark, red quills bales.....D	.45 :	.50
Candella Wax, bags.....D	.23	: .25	Broken, bales.....D	.24 :	.25
Canela Alba Bark, bales.....D	.52	: .55	Cinnamon, Ceylon, bales, bond.....D	.22 :	.22%
			Civet, Abyssin horns.....D	2.75 :	3.75
			Clover Tops, bags.....D	.25 :	.27
			Clove, Zanzibar, 135 lb bales.....D	.30 :	.31
			Amboyna, bales.....D	.. :	.. :
			Penang, case.....D	.. :	.. :
			Cochineal, USP, boxes.....D	.35 :	.37
			Coca Leaves, Huancoco bags.....D	.. :	.. :
			Truxillo, bags.....D	.. :	.55
			Cohosh Root, Black bags.....D	.15 :	.16
			Blue, bags.....D	.19 :	.20
			Colechium Root, bags.....D	.08 :	.09
			Seed, bags.....D	.10 :	.11
			Colombo Root, whole bags.....D	.03 :	.04
			Cocoyotin, apples, cases, bales.....D	.17 :	.22
			Pulp, CSP, bales.....D	.36 :	.38
			Coldfoot Leaves, bags.....D	.06 :	.07
			Comfrey Root, bags.....D	.13 :	.14
			Condurango Bark, bales.....D	.14 :	.15
			Conium Seeds, bags.....D	.. :	.16
			Copaiba Balsam Para, see Salsams		
			Copal Gum.....D	.12 :	.13%
			Corlander Seed, Bombay bags.....D	.05 :	.07
			Morocco, bags.....D	10% :	10%
			Bleached, bags.....D	14% :	15%
			Corn Silk, bales.....D	.. :	.06
			Cotton Root Bark, bales.....D	.. :	.28
			Cramp Bark, so-called bales.....D	.. :	.04
			True, bags.....D	.40 :	.42
			Cranesbill Root, bags.....D	.10 :	.11
			<b>CUBEBS BERRIES, XX bags.....D</b>	.70 :	.75



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Dogwood Bark, Jamaica bags....D	.10% : .12	Grindella Robusta Herb, bales....D	.07 : .07%	LADY SLIPPER ROOT, bags....D	.51 : .55
Flowers, bales.....D	... : .15	Gustaf Gum, 80 lb cases....D	.32 : .35	Larkspur Seed, bags....D	.33 : .35
Dogwood Root, USP, cut bags....D	.12 : .14	Guarana, tins, cases....D	.60 : .70	Laurel Leaves, bales.....D	.04% : .04%
Dragons Blood, mass cases....D	.55 : .60	GUM, see Arabic Gum, etc.		Lavender Flowers, Ordinary....D	.38 : .40
Reeds, boxes.....D	1.25 : 1.75	HELLEBORE ROOT,		Selected.....D	.50 : .55
ECHINACEA ROOT, bags....D	.32 : .34	Black, bbls.....D	.08 : .10	Leeches, tubs.....Per 100	... : 7.00
Elecampane Root, bags....D	.09 : .10	Powdered.....D	.13 : .15	Lemon Peel, bags....D	.09 : .10
Elder Flowers, bags....D	.14 : .16	White, Powd. 250 lb bbls....D	.16 : .17	Licorice Root, Russian whole....D	.07% : .08
Elemi Gum, 80 lb cases....D	.10 : .11	Helonias Root, (unicolor false) bags....D	.30 : .35	Spanish, natural bales....D	.09 : .09%
Elm Bark, select, 5 lb bundles casesD	.28 : .35	Hemp Seed, Manchurian bags....D	.04 : .04%	Powdered, bbls.....D	.09% : .10
Grinding, bags.....D	.10 : .12	Chilian, bags.....D	... : ...	Selected, 2 & 5 lb bundles....D	.16 : .20
Powdered, bbls.....D	.17 : .18	Henbane Leaves, bales, USP....D	.35 : .40	Cuttings, 125 lb bags....D	.07 : .07%
ERGOT, 150-200 lb bags....D	.40 : .41	No assay.....D	.30 : .35	Life Everlasting Herb, bales....D	.05 : .06
Eucalyptus Leaves, bales....D	... : .35	Henna Leaves, bales....D	.13 : .14	Lime Juice, clarified bbls....gal	.50 : .60
Euphorbia Pilulifera Herb, bags..D	.15 : .17	Powdered.....D	.17 : .18	Linden Flowers, with leaves, balesD	.14 : .16
Euphorbium Gum, cases....D	... : .32	Honey, Calif., 120 lb cases....D	.11% : .12	Without Leaves, bales....D	.30 : .32
Powdered, boxes.....D	... : .40	Hops, N. Y. prime bales....D	.25 : .28	Liverwort Leaves, bales....D	.20 : .22
Fennel Seed, French, bags....D	.16% : .17%	Pacific Coast prime bales....D	.22 : .25	Lobelia Herb, bales....D	.19 : .20
German, bags.....D	.18 : .20	Horhound Herb, bales....D	.10 : .11	Lobelia Seed, bags....D	.55 : .60
Indian, bags.....D	.10% : .11%	Horsetail Rush, bags....D	... : .15	Lovage Root, Imported, bags....D	... : .25
Flax Seed, whole 180 lb bbls....ca	13.00 : 13.50	India Gum, see Karaya		Lupulin, boxes.....D	1.40 : 1.50
Ground, 180 lb bbls.....D	.07% : .08	INSECT FLOWERS, open whole bales.....D	... : ...	Domestic.....D	1.30 : 1.40
Foenugreek Seed, 200 lb bags....D	.07 : .07%	Closed whole, bales....D	... : ...	Lycopodium, 88 lb cs.....D	.36 : .38
Fish Berries, 100-125 lb bags....D	.03 : .03%	Powdered, pure 200 lb bbls....D	.60 : .62	MACE, Siam, No. 1 cases....D	.44 : .45
Fringe Tree Bark, bags....D	.19 : .20	Flowers and stems, 50 p. c. 200 lb bbls.....D	.38 : .40	Banda, No. 1 cases....D	.50 : .52
GALANGAL ROOT, bags....D	.06 : .06%	Ipecac Root, Cartagena, bags....D	1.80 : 1.85	Batavia, cases.....D	.38 : .39
Galbanum Gum, cases....D	1.00 : 1.10	Powdered, 200 lb bbls. boxes..D	1.90 : 2.00	Malva Flowers, blue bales....D	.27 : .30
Gambier Gum, bags.....D	.09 : .09%	Rio Whole, bags....D	1.75 : 1.85	Black, bales.....D	.65 : .75
Gamboge Gum, 160 lb cases....D	1.10 : 1.12	Powdered, 200 lb bbls. boxes..D	1.95 : 2.00	Manna, large flake cases....D	.58 : .59
Powdered, cases....D	1.12 : 1.15	Isinglass, American, 130 lb cs....D	.65 : .70	Small flake, cases....D	.26 : .26%
Gelsemium Root, bags....D	.11 : .11%	Russian (Beluga) bxs. ctms....D	5.50 : 7.50	Sorts, cases.....D	.27 : .30
Gentian Root, bags....D	.09 : .09%	JABORANDI LEAVES, bales....D	.16 : .18	Mandrake Root, bags....D	.20 : .22
Ginger, African, bags....D	.13% : .13%	Jalap Root, whole, 150 lb bags..D	.31 : .35	Mastic Gum, 120 lb cases....D	.70 : .75
Jamaica, grinding, bags bbls..D	.33 : .42	Powdered, USP, 250 lb bbls....D	.38 : .40	Mesereon Bark, bags....D	.11 : .12
Japan, bags.....D	.14 : .14%	Japan Wax, 224 lb cases....D	.17% : .19%	Matric Leaves, bales....D	.20 : .22
Cochin, ABC & lemon, bags..D	.15 : .15%	Job's Tears, white bags....D	.08 : .09	Marjoram Leaves, German bales..D	.17% : .18
Ginseng Root, cultivated, bags..D	8.00 : 10.00	Juniper Berries, 125 lb bags....D	.03 : .03%	French, bales.....D	.13% : .14%
Northwestern Wild, bags....D	14.00 : 15.00	KAMALA, boxes.....D	1.90 : 2.00	Millet Seed, dom. yellow bags..D	.03% : .05
Southern Wild, bags....D	10.00 : 12.00	Karaya Gum, powdered, bbls....D	.15 : .20	Montan, Wax, crude bags....D	.04 : .04%
Golden Seal Root, bags....D	3.75 : 3.85	Kava Kava Root, bags....D	.16 : .17	Bleached.....D	... : ...
Powdered, boxes.....D	3.90 : 4.00	Kino Gum, black cases....D	.50 : .55	Moss, Iceland bales....D	.08 : .09
Grains of Paradise, bags....D	.12 : .14	Kola Nuts, 150 lb bags....D	.05 : .06	Irish, bleached bales.....D	.10 : .12
		Koussou Flowers, bags....D	... : 3.00	Mullein Flowers, tins....D	... : 2.00

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## Crude Drugs

Musk, pods Cabardine, tins.....	16.00	17.00	Patchouli Leaves, bales.....	.22	.25	Rosemary Flowers, cases bales.....	.28	.30
Tonquin.....	22.00	25.00	Pepper, black Sing. bags.....	.10%	.10%	Rose Petals, palo.....	.22	.25
Grain Cab.....	25.00	26.00	White, bags.....	.14	.14%	Red.....	..	.60
Synthetic, see Chemicals.....	35.00	38.00	Peppers, red Mombasa, bags.....	.16	.16%	Rue Herb, bales.....	.30	.35
Musk Root, Russian bags.....	..	..	Cherries, bags.....	.14	.15	SABADILLA SEED, bags.....	.12	.12%
Mustard Seed, Bari brown bags.....	.08%	.09	Bombay, bags.....	.15	.15%	Powder, bbls.....	.16	.17
Bombay, brown.....	.08%	.09	Japan, bags.....	.28%	.30	Saffron Flowers, Amer. bales.....	1.05	1.15
California, brown.....	.08%	.09	Pennyroyal Herb, bales.....	.08	.1%	Valencia, 1 lb cans.....	36.00	37.00
Yellow.....	..	.09	Peppermint Leaves, imp. bales.....	..	.35	Sage, Dalmatian bales.....	.05%	.06%
Chinese yellow.....	.04	.04%	Domestic leaf.....	.27	.2%	Greek, bales.....	.04%	.05%
English, yellow.....	.08%	.09	Peru Balsam, see Balsams.....	..	..	Spanish bales.....	.03	.03%
Dutch, yellow.....	.08	.08%	Pichi Leaves, bags.....	.23	.2%	Sandalwood, cripe bags.....	..	.30
Danish, yellow.....	.08%	.09	Pimento, select bags.....	.05	.05%	Ground, bags.....	..	.35
Myrrh Gum, select 200 lb cs.....	.35	.37	Pink Root, true bags.....	..	1.05	Sandarac Gum, 300 lb bbls.....	.20	.23
Sorbs, cases.....	.33	.35	Pitch, Burgundy, see Burgundy Pitch.....	..	..	Sarsaparilla Root Honduras, bales.....	.61	.65
NUTGALLS, Chinese bags.....	.17	.18	Pleurisy Root, bags.....	..	.22	Mexican, bales.....	.28	.29
Aleppy, bags.....	.14	.15	Plantain Leaves, bales.....	..	.15	Sassafras Bark, ordinary bales.....	.12	.14
Nutmegs, 110s cases.....	.21	.22	Poke Berries, bags.....	..	.15	Select, bales.....	.28	.29
75s, 80s cases.....	.26	.28	Poke Root, bags.....	..	.07%	Savory Leaves, bales.....	.08%	.09%
Nux Vomica Buttons, bags.....	.07	.08	Pomegranate Bark, of root bags.....	..	.30	Saw Palmetto Berries, bags.....	.10	.11
Powdered, 200 lb bbls.....	.09	.11	Of fruit, bags.....	..	.30	Scammony Root, boxes.....	1.40	1.60
OAK BARK, red bags.....	.05	.06	Of tree.....	..	.30	Scammony Root, bags.....	.06%	.07
White, bags.....	.06	.07	Poppy Flowers, red bags.....	.25	.27	Senega Root, bags.....	.60	.65
Oilbannum Gum, sift 280 lb cases.....	.09	.08%	Poppy Seed, Dutch, bags.....	.11	.11%	SENNA, Alex. 150 lb cases.....	.30	.31
Tears, 280 lb cases.....	.13	.18	German, bags.....	..	.10%	Half Leaf, 350 lb bales.....	.17%	.18
No. 1, all white, 280 lb cases.....	..	.22	Turkish, bags.....	.06	.08	Sitings, 400 lb bales.....	.13	.14
Opium, gum USP cases.....	8.00	9.00	Blue Indian, bags.....	.08	.08%	Powdered, 200 lb bbls.....	..	.14%
Granular, cans.....	9.00	10.00	White Indian, bags.....	.07	.07%	Tinnevely, job, 350 lb bbls.....	.11	.13
Powdered, USP, cans.....	9.00	10.00	Prickly Ash Bark Southern, bags.....	.14	.14%	Grinding, 350 lb bales.....	.05	.07
Orange Flowers, cases.....	.50	1.00	Northern, bags.....	..	.16	Powdered, 200 lb bbls.....	.08	.08%
Orange Peel, bitter bags.....	.07%	.07%	Prickly Ash Berries, bags.....	.12	.14	Pods, 350 lb bales.....	.07	.08
Sweet, bags.....	.08	.08%	Prince's Pine, bales.....	..	..	Serpentaria Root, bags.....	.80	.85
Orris Root Florentine bold bags.....	.07	.08	Pulsatilla Herb, bags.....	.25	.27	Shellac, T.N., bags.....	.57	.60
Verona, bags.....	.05	.06	Pumpkin Seed, bags.....	.14	.16	Superfine Orange, bags.....	.63	.65
Powdered, 200 lb bbls.....	.07%	.08	QUASSIA CHIPS, bags.....	.06%	.07%	D. C., bags.....	.78	.80
Fingers, cases.....	.58	.60	Queen of the Meadow Herb, bags.....	..	.06	V. S. O., cases.....	.78	.80
Ozokerite Wax brown hard bags.....	.22	.24	Quince Seed, bags.....	.75	.95	Pwd. reg., 350 lb bbls.....	..	.68
Green, hard bags.....	.25	.26	RAPE SEED, South Amer. bags.....	.06%	.07	Regular Bleached, 350 lb bbls.....	..	.60
Refined, yellow bags.....	..	..	Dutch, bags.....	.05%	.06	Bone, Dry, 350 lb bbls.....	.65	.67
PAPRIKA, bags.....	.17	.22	Japanese, small, bags.....	.05%	.06	Simaruba Bark, bales.....	.09	.10
Hungarian.....	.27	.37	Raspberries, dried boxes.....	.56	.60	Sideritis Herb, cut bags.....	..	.18
Paredra Brava Root, bags.....	.19	.20	Red Saunders.....	.17	.19	Skullcap Leaves, bales.....	..	.38
Parsley Seed, bags.....	.08	.08%	Rhatany Root, bags.....	..	.10	Rhoe Berries, bags.....	.03	.04
			RHUBARB, H. D., cases.....	.40	.43			
			Powdered, 200 lb bbls.....	.45	.48			
			Rosemary Leaves, bales.....	.04%	.05			



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## Crude Drugs

Snake Root, Canada natural bags..lb	.35	: .38
Stripped, bags .....	.33	: .35
<b>SOAP BARK, whole, 150-200 lb</b>		
bales .....	.07½	: .08
Cut, 125-175 lb bags .....	.09	: .09½
Crushed, 200 lb bbls. ....	.09½	: .10
Powdered, 200 lb bbls. ....	.12	: .14
Spearwort Leaves, American bales..lb	.23	: .24
Spermacti, blocks cakes cases...lb	.36	: .37
Sphenard Root, bags .....	.21	: .23
Spruce Gum, boxes .....	1.00	: 1.50
Squaw Vine, bales .....	.17	: .17
Stavensire Seed, bags .....	.28	: .29
Stone Root, bags .....	.09	: .10
Storax, liquid artif. ....	.70	: .75
Gen. USP .....	.90	: 1.00
St. Ignatius Beans, bags .....	.22	: .23
St. John's Bread, bags .....	.04	: .06
Stramonium Leaves, bales .....	.06	: .07
Stramonium Seed, bags .....	.12	: .13
Strophanthus Seed, Hipsides .....	.85	: .40
Kombu, bags .....	.80	: .35
Sunflower Seed, domestic bags...lb	.07	: .07½
South American, bags .....	.06	: .07½
<b>TAGALDER BARK, bags .....</b>		
Kops .....	.05	: .05
Tamarinds, bbls. ....	.06½	: .06½
Kops .....	3.50	: 3.50
Tansy Herb, bales .....	.18	: .20
Tar, Barbadoes, 50 gal. bbls. ....gal	1.60	: 1.75
Thur Gum, 280 lb bbls. ....	.05½	: .05½
Thyme, Spanish bales .....	.08	: .08½
French, bales .....	.09½	: .09½
Tilia, See Linden		
Tolu Balsam, See Balsams		
Tongo Bark, bags .....	.30	: .31
Tonka Beans, Angostura, cases...lb	2.25	: 2.35
Para, cases .....	.75	: .80
Surinam, cases .....	.80	: .85

Tragacanth Gum, No. 1, ribbon, 200 lb cs .....	1.48	: 1.50
No. 2 to No. 6, cases .....	1.00	: 1.48
Powdered, 50 lb boxes .....	1.00	: 1.50
Turkish, cases .....	.75	: .80
Turnerite Root, Madras bags .....	.10½	: .11
Aleppy, bags .....	.08½	: .09
China, bags .....	.07	: .07½
Turpentine, Venice, true 80 lb cs .....	.20	: .22
Artificial, 80 lb cases .....	.14	: .15
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Helonias</b>		
True, see Aletris		
Uva Ursi Leaves, bales .....	.05½	: .06½
VALERIAN ROOT, Belgian bags..lb	.10½	: .11
Vanilla Beans Mex. whole cases..lb	9.00	: 10.00
Cuts, cases .....	6.25	: 6.50
Bourbon, cases .....	4.60	: 4.85
South American, cases .....	6.00	: 6.50
Fahiti, yellow label cases .....	.65	: .70
Green Label, cases .....	.85	: .90
Violet Flowers, bags .....	.43	: .45
White Pine Bark, rounded bags...lb	.06½	: .07½
White Poplar Bark, bags .....	.04	: .05
Wild Cherry Bark, thin green		
Rounded, bales .....	.12	: .15
Thick Rounded, bales .....	.09	: .10
Thin Natural, bales .....	.11	: .12½
Thick Natural, bales .....	.07	: .08
Willow bark bags .....	.06	: .06
White, bags .....	.15	: .15
Witch Hazel Bark, bags .....	.07	: .07
Witch Hazel Leaves, bales .....	.09	: .09
Worm Seed, American bags .....	.09	: .10
Levant bags .....	.10	: .10
Wormwood Herb, imported bales..lb	.04	: .04½
Yacca Gum, red .....	.05½	: .06½
Ground .....	.12	: .14
YELLOW DUCK ROOT, bags .....	.16	: .17
Yellow Parilla Root, bags .....	.10	: .11
Yerba Santa, bags .....	.08	: .10
Zedoary Root, bags .....		

## Essential Oils

Almond Bitter USP 5 lb bots....lb	3.25	: 3.75
Bitter ff PA 5 lb bots.....lb	3.25	: 3.75
Artificial (See Benzaldehyde—Chemicals)		
Sweet, 56 lb cans .....	.34	: .36
Peach Kernel, 55 lb tins....lb	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.....lb	.70	: .75
Rectified, 25 lb tins.....lb	.90	: 1.00
Angelica Root, 1 lb bot.....lb	38.00	: 39.00
Seed, 1 lb bot .....	36.00	: 38.00
ANISE, Tech., 66 lb case .....	.44	: .46
USP 50 lb tins .....	.48	: .50
Bay, 25 lb tins .....	2.50	: 2.60
Bergamot, 25 lb coppers .....	2.65	: 2.75
Artificial, 25 lb cans .....	2.00	: 2.25
Starch Tar, rect. 5 lb bot.....lb	1.10	: 1.15
Crude, 50 lb tins .....	.60	: .65
Bots de Rose, 25 lb tins .....	2.40	: 2.50
Cade, USP, 25 lb tins .....	.35	: .40
USP, 5 lb bot .....	.45	: .50
Cajuput, native, 50 lb tins .....	.80	: .85
Calamus, 5 lb bot .....	4.25	: 4.75
Camphor, heavy, 1000 lb drums..lb	.12½	: .13½
Japanese, white, 72 lb cases..lb	.13½	: .15
White, 1000 lb drums .....	.13	: .15
Cananga, Native 25 lb tins....lb	2.25	: 2.50
Rectified, 25 lb tins .....	2.75	: 3.00
Caraway, USP .....	7.00	: 7.25
Cardamom, USP, 1 lb bot.....lb	20.00	: 21.00
Carrel, 5 lb bot .....	12.00	: 13.00
CASSIA, 75-80 p.c. 66 lb cases..lb	3.15	: 3.25
Redistilled, USP, 50 lb cans...lb	1.05	: 1.10
Cedar Leaf, 50 lb tins .....	.26	: .28
Cedar Wood, light 1000 lb drums..lb	8.50	: 9.00
Celery, 1 lb bot .....	11.00	: 12.50
Cinnamon, Ceylon 1 lb bot.....lb	2.00	: 2.00
Leaf, 5 lb bot .....	.89	: .70
CITRONELLA, Ceylon, 1000 lb drs..lb	.72	: .73
50 lb tins .....	.85	: .90
Java, 400 lb drums .....	2.10	: 2.20
50 lb tins .....	2.15	: 2.30
Cloves, USP, 50 lb cans .....		
6 lb bot .....		

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Copaiba, USP, 50 lb tins.....	D	.35	: .48
Coriander, USP, 1 lb bot.....	D	17.00	: 17.50
Croton, USP, 25 lb tins.....	D	1.00	: 1.10
Cubeba, USP, 5 lb bot.....	D	5.75	: 6.00
Cumin, 1 lb bot.....	D	14.00	: 15.00
Dill, 1 lb bot.....	D	4.25	: 5.00
Erigeron, 20 lb tins.....	D	.75	: .80
EUCALYPTUS, Austl. CSP			
56 lb ca.....	D	.55	: .80
500 lb drums.....	D	...	: .52 1/2
Fennel, USP, 25 lb tins.....	D	1.00	: 1.10
Geranium, Algerian, 25 lb tins..	D	8.00	: 8.50
Bourbon, 25 lb tins.....	D	7.00	: 7.50
Turkish, 25 lb tins.....	D	4.50	: 4.75
Ginger, 1 lb bot.....	D	5.75	: 6.00
Gingergrass, 28 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	1.10	: 1.20
Juniper Berries, USP, 25 lb tins..	D	1.15	: 1.25
Wood, 50 lb tins.....	D	.60	: .70
Lavender, USP, 28 lb tins.....	D	2.45	: 3.25
Spike, Spanish, 50 lb cans.....	D	.60	: .65
LEMONGRASS, Ital. USP, 25 lb tins..	D	.70	: .85
American, USP, 25 lb tins.....	D	...	: .85
Lemongrass, native, 50 lb cans....	D	.80	: .85
Limes, express 25 lb tins.....	D	1.50	: 1.70
Distilled, 25 lb tins.....	D	.85	: 1.00
Linaloe, Mex. 80 lb cases.....	D	2.15	: 2.35
Mace, distilled, 50 lb tins.....	D	.95	: 1.00
Mirbane, ref. see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	D	...	: 14.00
Artif., USP, 5 lb bot.....	D	2.40	: 2.50
Neroli, Bigarade, 1/2 and 1 lb bot..	D	50.00	: 60.00
Petale, 1 lb bot.....	D	65.00	: 75.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	.65	: 1.00
Orange, bitter, 25 lb tins.....	D	2.65	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.45	: 2.55
Italian, 25 lb cop.....	D	3.15	: 3.70
American, 25 lb tins.....	D	...	: .35
Origanum, 50 lb cans.....	D	.30	: .35
Paralei, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	7.75	: 8.00
Pennyroyal, dom 25 lb tins.....	D	1.95	: 2.25
Imported, 25 lb tins.....	D	1.90	: 2.00
PEPPERMINT, nat. 60 lb cases....	D	3.15	: 3.25
Redist., USP, 60 lb cases.....	D	3.35	: 3.55
Petit Grain, S. Am. 25 lb tins..	D	1.75	: 1.85
French, 1 lb bot.....	D	7.00	: 8.00

Pimento, 25 lb tins.....	D	1.85	: 1.95
Pinus Sylvestris, 25 lb tins.....	D	...	: 1.75
Pumilio, USP, 25 lb tins.....	D	...	: 2.75
Rose, Fr., 8, 16 & 32 oz pkgs. oz	...	...	: 9.00
Bulg., 8, 16 & 32 oz pkgs. oz	...	8.00	: 9.00
Artificial, 1 lb bot.....	OS	2.00	: 3.00
Rosemary, USP, 27 1/4 lb tins.....	D	.40	: .42
1000 lb drums.....	D	...	: .37 1/2
Tech., 27 1/4 lb tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	D	7.35	: 7.50
W. Indian, (Amyris) 25 lb tins..	D	3.00	: 3.25
Sassafras, USP, 50 lb cans.....	D	...	: .44
Artificial, 1000 lb drs., 60 lb cans	D	.40	: .44
Savin, 5 lb tins.....	D	3.00	: 3.25
Spearmint, USP, 60 lb cases.....	D	2.50	: 2.60
Spruce, 50 lb tins.....	D	1.10	: 1.20
Tansy Amer., 20 lb tins.....	D	4.50	: 4.75
Tar, 50 gal. bbls.....	gal	.25	: .26
Refined, USP 25 lb tins.....	D	...	: 1.10
Thyme, red, USP 25 lb tins.....	D	1.00	: 1.10
White, USP 25 lb tins.....	D	1.15	: 1.25
Crude, 110 lb drums.....	D	.85	: .90
Vetivert, Bourbon, 1 lb bot.....	D	7.00	: 7.50
Jaya, 1 lb bot.....	D	22.00	: 24.00
Wine, heavy 1 lb bot.....	D	...	: 2.75
WINTERGREEN,			
Sweet beh., 25 lb tins.....	D	2.00	: 3.00
Gaultheria, true 25 lb tins.....	D	4.00	: 7.00
Synthetic, USP, 50 lb cases.....	D	...	: .47
Wormseed Balt., USP, 25 lb tins..	D	5.75	: 6.25
Wormwood dom., 25 lb tins.....	D	4.50	: 4.75
Ylang Ylang, Bourbon 10 lb. tins	D	7.00	: 9.00
No. 1.....	D	5.00	: 6.00
No. 2.....	D	30.00	: 40.00
Manila, 1 lb bot.....	D	10.00	: 12.00
Artificial, 1 lb bot.....	D	...	: 12.00

## OLEORESINS

Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capsicum, USP, 5 lb bot.....	D	2.50	: 2.75
Cubeb, USP, 1 lb bot.....	D	4.75	: 5.00
Ginger, 5 lb bot.....	D	3.00	: 3.10
Malefern. See Aspidium	...	...	: 18.00
Orris, 1 lb bot.....	D	3.50	: 4.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	9.50	: 10.00

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.60	: 3.00
Borneol, 1 lb bot.....	D	...	: 3.50
Citronellal, 1 lb bot.....	D	2.00	: 2.25
CITRAL, 25 lb cans.....	D	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans....	D	.75	: .80
Eugenol, USP, 25 lb cans.....	D	2.85	: 3.25
Geraniol, Domestic, 50 lb cans....	D	2.75	: 3.00
Imported, 5 lb bot.....	D	4.00	: 5.00
Iso-Eugenol, 1 lb bot.....	D	4.25	: 5.00
Imported.....	D	5.50	: 6.50
Linalool, 5 lb bot.....	D	5.50	: 6.50
MENTHOL, 60 lb cases.....	D	17.50	: 18.00
Less cases, 5 lb cans.....	D	18.00	: 18.50
Rhodinol, 1 lb bot.....	D	15.00	: 20.00
SAFROL, 60 lb cans.....	D	.55	: .87
Thymol, USP, 25 lb tins.....	D	3.10	: 3.25

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot..	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot..	D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	D	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot..	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
Aubepine, see Anisic Aldehyde			
Amyl Acetate, pure, 5 gal cans.gal	D	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	D	2.00	: 2.10
Amyl Formate, 1 lb bot.....	D	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot.....	D	8.50	: 9.00
AMYL SALICYLATE, 100 lb chys..	D	1.75	: 1.85
Amyl Valerate, 5 lb bot.....	D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys..	D	1.50	: 1.60
Benzic Ether, See Ethyl Benzoate	...	...	: 1.75
Benzophenone, 1 lb bot.....	D	6.75	: 7.00
Benzyl Acetate, 100 lb chys..	D	1.40	: 1.50
Benzyl Formate, 1 lb bot.....	D	4.00	: 4.25

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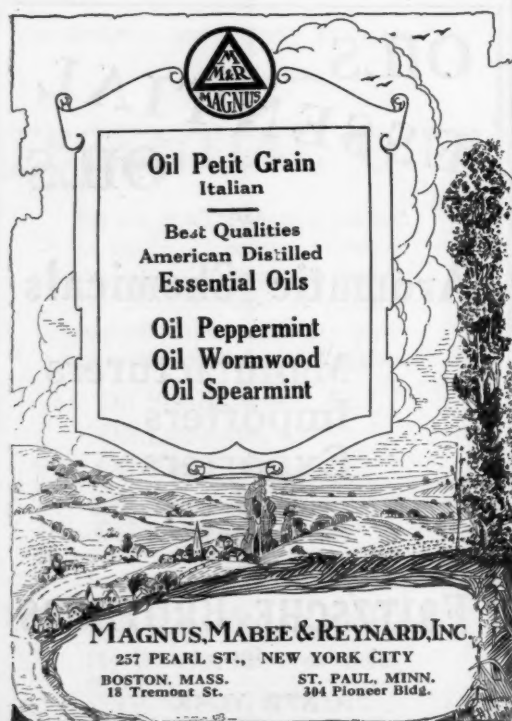
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## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....	D	1.60	: 1.70	Iso-Butyl Benzoate, 5 lb bot....	D	4.75	: 5.00	Skatol, 1 oz. bot.....	cs	9.25	: 10.00
BENZYL BENZOATE, 5 lb bot....	D	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported...	D	5.25	: 5.50	TERPINEOL, CP, 1000 lb drums..	lb	.54	: .55
Medicinal FFC.....	D	1.75	: 2.00	Domestic, 5 lb bot.....	D	4.00	: 4.25	Cans 50 lb.....	lb	.58	: .60
Benzyl Butyrate, C.P., 1 lb bot..	D	6.50	: 7.00	Linalyl Acetate, 1 lb bot.....	D	7.00	: 10.00	Imported, 25 lb cans.....	lb	.95	: 1.20
Benzyl Cinnamate, 1 lb bot.....	D	10.00	: 10.50	Linalyl Benzoate, 1 lb bot.....	D	13.00	: 14.00	Terpinyl Acetate, 25 lb cans....	D	1.65	: 1.85
Benzyl Formate, 1 lb bot.....	D	3.00	: 3.25	Linalyl Formate, 5 lb bot.....	D	10.00	: 12.00	VANILLIN, USP, 400 oz. cans....	cs	.40	: .40 1/2
Benzyl Propionate, 1 lb bot.....	D	5.00	: 5.25	METHYL ANTHRANILATE dom.,				Cans, 16 oz., 80 oz.....	cs	.40 1/2	: .41 1/2
Bornyl Acetate, 1 lb bot.....	D	2.25	: 3.00	1 lb bot.....	D	3.50	: 4.00	Valerianic Ether, See Ethyl Valerate			
Brometyl, 25 lb kegs.....	D	4.00	: 4.25	Imported.....	D	4.50	: 5.00	Yara Yara, 1 lb cans.....	D	1.75	: 2.00
Butyric Ether, See Ethyl Butyrate				Methyl Benzoate, 5 lb bot. import.	D	2.00	: 2.25				
Cinnamic Acid, 5 lb cans.....	D	3.00	: 3.35	Domestic, 5 lb bot.....	D	1.75	: 2.00				
Cinnamic Alcohol, liquid 1 lb bot.	D	10.00	: 14.00	Methyl Cinnamate, 1 lb bot.....	D	3.75	: 4.00				
Crystallizable.....	D	12.00	: 16.00	Methyl Heptenone, 1 lb bot.....	D	8.00	: 8.25				
Cinnamic Aldehyde, 1 lb bot.....	D	3.20	: 3.50	Methyl Heptene Carbonate, 1 lb bot.	D	50.00	: 70.00				
CITRONELLAL, 1 lb bot.....	D	7.00	: 12.00	Methyl Paracresol, 1 lb bot.....	D	8.00	: 9.00				
Citronellyl Acetate, 1 lb bot.....	D	12.00	: 13.00	Methyl Phenylacetate, 1 lb bot....	D	6.25	: 6.50				
COUMARIN, 25 lb cans.....	D	4.50	: 4.65	Methyl Phenylacetate, 5 lb bot....	D	6.00	: 6.50				
DIETHYL PHTHALATE, 25 lb cans..	D	.55	: .65	METHYL SALICYLATE, USP 500 lb							
1000 lb drs.....	D	.45	: .50	drums.....							
Diphenylsulfide, 25 lb tins.....	D	.85	: .90	50 lb cases.....							
Ethyl Acetate, pure, 5 lb bot....	D	.45	: .50	Second Hands.....							
Ethyl Benzoate, 5 lb bot.....	D	1.85	: 2.00	Mirbane, rect. 1000 lb drums....	D	12 1/2	: 14				
Ethyl Butyrate, 5 lb bot.....	D	2.00	: 2.25	Musk Ambrette, 1 lb cans.....	D	12.50	: 13.00				
Ethyl Caproate, 1 lb bot.....	D	3.25	: 3.50	Musk Ketone, 1 lb cans.....	D	12.00	: 13.00				
Ethyl Cinnamate, 1 lb bot.....	D	3.75	: 4.00	Musk Xylene, 5 lb cans.....	D	2.90	: 3.15				
Ethyl Formate, 5 lb bot.....	D	2.00	: 2.10	Nerolin, 1 lb cans.....	D	1.65	: 2.00				
Ethyl-methyl Paracresol, 1 lb bot.	D	3.25	: 3.50	Oenanthalic Ether, 100%, 1 lb bot.	D	2.25	: 3.00				
Ethyl Propionate, 1 lb bot.....	D	2.25	: 2.50	Oenanthalic Ether, 5 lb bot.....	D	1.25	: 1.50				
Ethyl Valerate, 5 lb bot.....	D	4.50	: 4.75	Phenylacetaldehyde, Dom.,							
Ethyl Salicylate, 5 lb bot.....	D	3.25	: 3.50	1 lb bot.....	D	9.00	: 11.00				
Formic Ether, See Ethyl Formate				Imported.....	D	12.00	: 14.00				
Geranyl Acetate, 1 lb bot.....	D	4.25	: 4.75	Phenylacetic Acid, 1 lb bot.....	D	3.00	: 3.25				
Geranyl Butyrate, 1 lb bot.....	D	13.00	: 13.50	Phenyl Diacetate, 1 oz. bot.....	cs	3.25	: 3.50				
Geranyl Formate, 1 lb bot.....	D	12.00	: 12.50	Phenyl propyl Alcohol, 1 lb bot....	D	13.00	: 14.00				
Hydroxycitronellal, 1 lb bot.....	D	11.00	: 12.00	PHENYLETHYLALCOHOL dom.,							
Heliotropin, dom., 10 lb bot....	D	2.00	: 2.25	1 lb bot.....	D	6.75	: 8.75				
Imported.....	D	2.50	: 2.75	Imported.....	D	7.75	: 9.75				
Indol, CP, 1 oz. bot.....	cs	6.00	: 6.50	Phenylethyl Butyrate, 1 lb bot....	D	25.00	: 26.00				
Ionone, 1 lb bot.....	cs	5.00	: 9.00	Phenylethyl Formate, 1 lb bot....	D	18.00	: 19.00				
Alpha.....	D	10.00	: 12.00	Phenylethyl Propionate, 1 lb bot..	D	18.00	: 20.00				
Beta.....	D	9.00	: 11.00	Phenylethyl Valerate, 1 lb bot....	D	22.50	: 26.00				
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**CHEMIST**—Desires a position with a manufacturer or as assistant in a consulting, analytical and research laboratory. Has had ten years experience and holds degrees from American and German universities. Particularly well qualified in fertilizer, naval stores and vegetable oil work. Prefers to locate in the East or South. Box 440, **DRUG & CHEMICAL MARKETS**.

**SALESMAN**, has had several years experience with a large paint manufacturer and can show a consistent and successful sales record, is anxious to better his position and is open for an engagement as a branch or territory manager in this field. Thoroughly familiar with all details of administration and possesses exceptional ability to handle men effectively. At present employed and must give six week notice. Box 442, **DRUG & CHEMICAL MARKETS**.

**LABORATORY ASSISTANT**—Young man, 22, desires position in laboratory of dyestuffs and intermediates manufacturing concern. Analytical work preferred. Several years experience. Advanced chemical student, (evenings). Employed at present. Interview any time. Box 428, **DRUG & CHEMICAL MARKETS**.

## SITUATIONS WANTED

**A MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

**EXPERIENCED SALESMAN**—Several years successful record, desires a position in the fine chemical or drug field where there is an opportunity for the future. Box 413, **DRUG & CHEMICAL MARKETS**.

**SALESMAN**—With following in Connecticut and suburban New York industrial plants seeks connection with a manufacturer or manufacturer's agent selling heavy chemicals. Now employed and can give best references. Box 430, **DRUG & CHEMICAL MARKETS**.

**COLLEGE GRADUATE** just finishing with three years work in chemistry desires a connection in the sales or executive office of established firm in chemical industry. Good address, not afraid of work, has done some selling during vacations. Box 436, **DRUG & CHEMICAL MARKETS**.

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**LABORATORY DYER**—Young man with good education and experience in matching textile and leather dyeings and standardizing dyestuffs in laboratory of large color house. Good opportunity and future if conscientious and capable. State training, salary, religion, and references. Box 429, **DRUG & CHEMICAL MARKETS**.

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**OIL IMPORTER** wants salesman with experience in soap and margarine industries to take charge of new department. Box 435, **DRUG & CHEMICAL MARKETS**.

**ASSISTANT SALES MANAGER** to take charge of correspondence, advertising, and branch office records wanted by American dye manufacturer. Experienced dyestuff salesman with good education and executive ability has an opportunity to develop in a responsible position with a large organization. Box 431, **DRUG & CHEMICAL MARKETS**.

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DETAIL MAN by a well-known pharmaceutical house. Must be capable and experienced with highest references. Opportunity for the right man. Box 418, DRUG & CHEMICAL MARKETS.

STOCK CLERK wanted at once familiar with wholesale drug lines. Box 421, DRUG & CHEMICAL MARKETS.

WANTED CHEMIST—Qualified to manufacture Metatoluylenediamine Crystals of highest purity—with old established company. Box 427, DRUG & CHEMICAL MARKETS.

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FOR SALE—Two Sperry filter presses, iron, 18 x 18 inches; one iron, 30 x 30 inches. Box 419, DRUG & CHEMICAL MARKETS.

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WANTED—Back volumes of DRUG & CHEMICAL MARKETS, Chemical and Metallurgical Engineering, Industrial and Engineering Chemistry 1914 to 1919. Box 432, DRUG & CHEMICAL MARKETS.

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